

**2018 OPERABLE UNIT 2  
GROUNDWATER INVESTIGATION  
DATA SUMMARY REPORT  
VPB173**

**NAVAL WEAPONS INDUSTRIAL RESERVE PLANT  
SITE 1 OPERABLE UNIT 2  
BETHPAGE, NY**

**Prepared for:**



**Department of the Navy  
Naval Facilities Engineering Command, Atlantic  
9324 Virginia Avenue  
Building Z-140  
Norfolk, Virginia 23511**

**May 2020**

**2018 OPERABLE UNIT 2  
GROUNDWATER INVESTIGATION  
DATA SUMMARY REPORT**

**VPB173**

**NAVAL WEAPONS INDUSTRIAL RESERVE PLANT  
SITE 1 OPERABLE UNIT2  
BETHPAGE, NY**

**Prepared for:**



**Department of the Navy  
Naval Facilities Engineering Command, Atlantic  
9324 Virginia Avenue  
Building Z-140  
Norfolk, Virginia 23511**

**Prepared by:**



**Resolution Consultants  
*A Joint Venture of AECOM & EnSafe*  
1500 Wells Fargo Building  
440 Monticello Avenue  
Norfolk, Virginia 23510**

**Contract Number: N62470-11-D-8013  
CONTRACT TASK ORDER WE15**

**May 2020**

A handwritten signature in black ink that reads "Brian Caldwell".

---

**Brian Caldwell  
Contract Task Order Manager**

## Table of Contents

LIST OF ACRONYMS AND ABBREVIATIONS.....	
1.0 PROJECT BACKGROUND .....	1
1.1 SCOPE AND OBJECTIVES .....	1
1.2 SITE HISTORY .....	1
1.3 GEOLOGY AND HYDROGEOLOGY .....	2
1.3.1 Depositional environment.....	2
1.3.2 Stratigraphy .....	2
1.3.3 Hydrogeology.....	3
2.0 FIELD PROGRAM.....	4
2.1 VERTICAL PROFILE BORINGS .....	4
2.1.1 Drilling.....	4
2.1.2 Sampling .....	4
2.1.3 Geophysics.....	5
2.2 DECONTAMINATION AND INVESTIGATION DERIVED WASTE (IDW) .....	5
2.3 SURVEYING .....	7
3.0 REFERENCES .....	8

## Tables

Table 1        Vertical Profile Boring Summary

## Figures

Figure 1        General Location Map  
Figure 2        VPB173 Location Map

## **Appendices**

### Appendix A VPB173

- Section 1 VPB173 Boring and Gamma Logs
- Section 2 VPB173 Gamma and PCE/TCE Plot
- Section 3 VPB173 Groundwater Sample Log Sheets
- Section 4 VPB173 Analytical Data Validation
- Section 5 VPB173 Analytical Data Table
- Section 6 VPB173 Survey

## List of Acronyms and Abbreviations

AOC	Area of Concern
bgs	below ground surface
COR	Continuously Operating Reference
CSM	Conceptual Site Model
DoD	Department of Defense
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency, United States
ft	feet
GOCO	Government-Owned Contractor-Operated
GPS	Global Positioning System
IDW	Investigation Derived Waste
IR	Installation Restoration
Katahdin	Katahdin Analytical Services
NAD	North American Datum
NAVD	North American Vertical Datum
NAVFAC	Naval Facilities Engineering Command
NG	Northrop Grumman
NWIRP	Naval Weapons Industrial Reserve Plant
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
PPE	Personal Protective Equipment
SAP	Sampling and Analysis Plan
SVOC	Semivolatile Organic Compounds
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
UFP	United Federal Programs
VOC	Volatile Organic Compounds

---

VPB                    Vertical Profile Boring

## 1.0 PROJECT BACKGROUND

Resolution Consultants has prepared this Data Summary Report for the Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic under contract task order WE15 Contract N62470-11-D-8013. This report describes vertical profile boring (VPB) installation activities (specifically at the VPB173 location) in 2018 for the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Operable Unit (OU) 2 Site 1 off property plume. NWIRP Bethpage is located in east-central Nassau County, Long Island, New York, approximately 30 miles east of New York City (Figure 1).

### 1.1 Scope and Objectives

This data summary report provides information on the installation of VPB173. The purpose of the VPB173 investigation was to ascertain subsurface conditions and contaminant levels in the off property plume south of Hempstead Turnpike and west of Hicksville Road. VPB locations within the general vicinity of VPB173 are shown in Figure 2. VPB173 was completed to 980 feet (ft) below ground surface (bgs).

Field tasks were conducted in 2018 in accordance with the *United Federal Programs Sampling and Analysis Plan (UFP SAP) Site 1 OU2 Offsite TCE Groundwater Plume Investigation*, NWIRP, Bethpage, New York (Resolution Consultants, 2013a) and the *UFP SAP Addendum Installation of Vertical Profile Borings and Monitoring Wells* (Resolution Consultants, 2013c). The field investigation included completing one vertical profile boring, groundwater grab samples, geophysical logging, and surveying.

Documentation of these activities is included in Appendix A of this report.

### 1.2 Site History

NWIRP Bethpage is in the Hamlet of Bethpage, Town of Oyster Bay, New York. Since its inception in 1941, the plant's primary mission was the research, prototyping, testing, design, engineering, fabrication, and primary assembly of military aircraft. The facilities at NWIRP included four plants used for assembly and prototype testing, a group of quality control laboratories, two warehouse complexes (north and south), a salvage storage area, water recharge basins, the Industrial Wastewater Treatment Plant, and several smaller support buildings.

The Navy's property originally totaled 109.5 acres and was formerly a Government-Owned Contractor-Operated (GOCO) facility that was operated by Northrop Grumman (NG) until September 1998. Prior to 2002, the NWIRP property was bordered on the north, west, and south by current or

former NG facilities, and on the east by a residential neighborhood. By March 2008, approximately 100 acres of NWIRP property were transferred to Nassau County in three separate actions. The remaining 9 acres and access easements were retained by the Navy to continue remedial efforts at Installation Restoration (IR) Site 1 – Former Drum Marshalling Area and Site 4 – Former Underground Storage Tanks (Area of Concern [AOC] 22). A parcel of land connecting the two sites was also retained. Currently, the 9-acre parcel of NWIRP is bordered on the east by a residential neighborhood and on the north, south, and west by Steel Equities; however, a small portion near Sites 2 and 3 is still owned by Nassau County. Access to the NWIRP is from South Oyster Bay Road.

### **1.3 Geology and Hydrogeology**

#### **1.3.1 Depositional Environment**

Previous sequence stratigraphic studies of the New Jersey and New York Coastal Plains have shown that facies successions in the region can largely be explained by global sea level oscillations and sediment supply. The Turonian age sea level changes resulted in several phases of seaward progradation and landward retrogradation that affected the deposition and preservation of lithologic sequences in the Magothy. Periods of elevated or low sea level have a distinct effect on shoreline position and the types of deltaic facies that are deposited on the coastal plain. During high sea level, marine to distal deltaic facies tend to form. In contrast, during periods of low relative sea level, marginal to nonmarine deltaic facies are deposited.

Changes in sediment supply resulting from the tectonic uplift and weathering of the ancestral Appalachians during the Albian stage (approximately 100 million years ago) also influenced depositional environments in the region. The large influx of coarse sediments is reflected in the rapid seaward progradation of the shoreline and extensive delta plain deposits (Magothy Formation) on the New Jersey Coastal Plain.

#### **1.3.2 Stratigraphy**

Overburden at the site consists of well over 1,000 ft of unconsolidated deposits overlying crystalline bedrock of the Hartland Formation. Overburden is divided into four geologic units in descending order: the upper Pleistocene deposits, the Magothy Formation, the clay member of the Raritan Formation ("Raritan Clay") and the Lloyd Sand member of the Raritan Formation ("Lloyd Sand") (Geraghty and Miller, 1994).

The upper Pleistocene consists of till and outwash deposits of medium to coarse sand and gravel with lenses of fine sand, silt and clay (Smolensky and Feldman, 1988); these deposits form the Upper

Glacial Aquifer. The continental deposits are considerably thicker than previously thought, ranging from 50 – 300 feet. Directly underlying this unit is the Magothy Formation with a thickness of 650 to 900 ft that extends to a depth of 700 to 1,000 ft bgs, as observed at the former NWIRP and extending southeast to areas south of Southern State Parkway. Locally at VPB173, the bottom of the Magothy (top of the Raritan Clay) is encountered at approximately 940 feet bgs. The Magothy is characterized by fine to medium sands and silts interbedded with zones of clays, silty sands and sandy clays. Sand and gravel lenses are found in some areas between depths of 600 and 880 ft bgs; these deposits form the main groundwater producing zones of the Magothy Aquifer.

Investigations performed by the Navy since 2012 indicate that the bottom of the Magothy (top of the Raritan Clay) can extend to depths of 700 to greater than 1,000 ft bgs. The top of the Raritan Clay deepens to the south-southeast, as evidenced by clay depths of 1,000 ft bgs (or more) in borings installed offsite. The Raritan Clay Unit is of continental origin and consists of clay, silty clay, clayey silt, and fine silty sand. This member acts as a confining layer over the Lloyd Sand Unit. The Lloyd Sand Unit is also of continental origin, having been deposited in a large fresh water lacustrine environment. The material consists of fine to coarse-grained sands, gravel, inter-bedded clay, and silty sand. These deposits form the Lloyd Aquifer.

### **1.3.3 Hydrogeology**

The Upper Glacial Aquifer and the Magothy Aquifer comprise the aquifers of interest at the NWIRP. Regionally, these formations are generally considered to form a common, interconnected aquifer as the coarse nature of each unit near their contact and the lack of any regionally confining clay unit allows for the unrestricted flow of groundwater between the formations.

The Magothy Aquifer is the major source of public water in Nassau County. The most productive water bearing zones are the discontinuous lenses of sand and gravel that occur within the siltier matrix. The major water-bearing zones are coarse sand and gravel lenses located in the lower portion of the Magothy. Because of the presence of intermittent clay layers and the depths, the Magothy Aquifer is commonly regarded to function overall as an unconfined aquifer at shallow depths and a confined aquifer at greater depths. The drilling program at the NWIRP has revealed that clay zones beneath the facility are common but laterally discontinuous. No confining clay units of facility-wide extent have been encountered.

Groundwater is encountered at an average depth of approximately 50 ft bgs at the facility. Historically, because of pumping and recharge at the facility, groundwater depths have been measured to range from 15 to 60 ft bgs. Depth to water in the vicinity of VPB173 is approximately

28 feet bgs based on the BPOW3-1 and BPOW3-2 well cluster. The groundwater flow in the area is to the south-southeast.

Considerable heterogeneity exists in the subsurface due to alternating depositional environments that resulted from changes in sea level and sediment supply. Laterally continuous fluvial sands and distributary mouth bars are inferred to represent high permeability units and conduits for groundwater flow/contaminant transport, however the continuity of those units is variable. Fine grained muds deposited during maximum flooding appear to correlate to contamination data peaks, potentially acting as storage units by adsorption of contamination within the matrix of fine-grained muds.

## 2.0 FIELD PROGRAM

Field investigation activities at VPB173 consisted of drilling, sampling, soil/groundwater analysis, geophysical logging, and surveying. Drilling during this investigation was performed by Delta Well and Pump Company of Ronkonkoma, New York. A description of these tasks is provided below.

### 2.1 Vertical Profile Borings

One vertical profile boring (VPB173) was completed during this field effort between October 2, 2018 and December 17, 2018. The total depth of VPB173 was 980 ft. The location is shown in Figure 2 and details are summarized in Table 1.

#### 2.1.1 Drilling

In order to prevent sloughing of the borehole through unconsolidated lithologies, VPB173 was installed by setting a 10-inch diameter surface casing to 49.5 ft bgs and then setting an 8-inch diameter casing to a depth of 126 ft bgs using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite. Drilling mud was contained and re-circulated in baffled, high capacity mud tubs. A sand separator was used intermittently to remove fines from circulation.

#### 2.1.2 Sampling

A total of twelve (12) split spoon samples were collected from ground surface to the bottom of the boring. A change in geology was observed by the field geologist at 940 ft bgs and five (5) split spoon samples were subsequently collected to confirm the presence of the Raritan Clay. Samples were logged by the field geologist and screened for Volatile Organic Compounds (VOCs) utilizing a photoionization detector (PID). A detailed boring log for VPB173 is included in Appendix A.

Groundwater grab samples were collected every 50 ft for the first 200 ft of borehole depth. After the first 200 ft, groundwater grab samples were collected approximately every 20 ft until the boring terminated in the Raritan. Groundwater grab samples were collected with a hydropunch sampler and analyzed for VOCs using Environmental Protection Agency (EPA) Method 8260C. The groundwater grab samples were analyzed by Katahdin Analytical Services (Katahdin), a Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP), and New York State Department of Environmental Conservation (NYSDEC)-certified laboratory. During the collection of groundwater grab samples, field parameters were measured (pH, temperature, specific conductivity, oxidation reduction potential, dissolved oxygen, and turbidity). Data validation was performed by Resolution Consultants. Groundwater grab sample logs, data validation packages, and analytical data tables are included in Appendix A.

One soil sample was collected from a depth of 543-545 feet bgs for laboratory analysis for total organic carbon (TOC) by EPA series SW-846 method 9060A. During drilling, air sampling was conducted under a Community Air Monitoring Plan. One air sample was collected using a Summa canister and submitted for laboratory analysis by EPA Method TO-15. All analyses were performed or sub-contracted by Katahdin. Data validation of both TOC and air data was performed by Resolution Consultants. Data validation packages and analytical data tables are included in Appendix A.

### **2.1.3 Geophysics**

Borehole geophysical logs (gamma) were recorded after the borehole was drilled but prior to the removal of drill rods. A Mount Sopris Instrument model 2PGA-100 poly gamma was used. Starting at the top of the hole, the probe was advanced at a maximum rate of 12 ft per minute. A copy of the log was printed in the field for review once the probe reached the bottom of the borehole. The instrument was then raised to the top of the boring and a second log was generated and printed in the field. The down hole gamma log sheets and plots comparing the gamma log with trichloroethene (TCE) and tetrachloroethene (PCE) concentrations from hydropunch samples are included in Appendix A.

## **2.2 Decontamination and Investigation Derived Waste (IDW)**

Resolution Consultants utilized dedicated and disposable sampling equipment when possible to avoid the potential for cross-contamination of samples. The sampling equipment included dedicated plastic scoops, disposable Teflon or polyethylene tubing, disposable gloves, and laboratory supplied sample bottles. Hand held equipment, split spoons, and the hydropunch were decontaminated using Luminox and water wash, a potable water rinse, followed by a distilled water rinse. Water was collected in 5-gallon pails or 55-gallon drums.

As part of the IDW management practices and in accordance with the SAP, the investigation waste (consisting of soil cuttings, drilling muds, IDW fluids, and personal protective equipment [PPE]) generated during the boring installation was containerized and staged at NWIRP Bethpage. IDW solids were characterized and disposed of properly. Representative samples from each roll off were submitted to Katahdin for analysis of:

- Target Compound List (TCL) VOCs
- TCL Semi-volatile Organic Compounds (SVOCs)
- Toxicity Characteristic Leaching Procedure (TCLP) Metals
- Polychlorinated Biphenyls (PCBs)
- Total petroleum hydrocarbons
- Corrosivity
- Ignitability
- Reactive Cyanide
- Reactive Sulfide
- Paint Filter

IDW water was containerized in frac tanks and stored at NWIRP Bethpage for characterization and ultimate disposal to the Publicly Owned Treatment Works (POTW), in accordance with the facilities existing discharge permit. A representative water sample was collected from each frac tank and submitted to Katahdin for analysis of VOCs via Method SW 624, pH via Method SW 9040B, PCBs via Method 8082 and Total Metals via Method SW 846. To the extent feasible, soil and water were not mixed. All analytical criteria were met for disposal of soil and water.

## **2.3 Surveying**

A survey of the boring location was conducted at the end of the fieldwork by C. T. Male, Inc., of Latham, NY, under the direct supervision of Resolution Consultants. The location was tied into the existing base map developed for this investigation. The survey elevation is referenced to the North American Vertical Datum (NAVD) 1988 and has a vertical accuracy of 0.01 foot. Vertical control is based on observations of the Continuously Operating Reference (COR) Stations Queens and Central Islip. The horizontal location is referenced to the North American Datum (NAD) 1983 (2011) N.Y. Long Island Zone 3104 and has an accuracy of 0.1 foot. Local horizontal and vertical control is based on Global Positioning System (GPS) observations using the NYS Net Real Time Network.

A table of survey data (ground, latitude/longitude and northing/easting) and a survey map is included in Appendix A.

### 3.0 REFERENCES

Geraghty and Miller, Inc., 1994. *Remedial Investigation Report, Grumman Aerospace Corporation, Bethpage, New York*. Revised September 1994.

Naval Facilities Engineering Command (NAVFAC), 2003. *Record of Decision Naval Weapons Industrial Reserve Plant Bethpage, New York, Operable Unit 2 – Groundwater*, NYS Registry: 1-30-003B. April.

Resolution Consultants, 2013a. *United Federal Programs Sampling and Analysis Plan, Site 1 OU2 Offsite TCE Groundwater Plume Investigation*, NWIRP, Bethpage, New York. April.

Resolution Consultants, 2013b. *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells*. NWIRP, Bethpage, New York. December.

Smolensky, D., and Feldman, S., 1988. *Geohydrology of the Bethpage-Hicksville-Levittown Area, Long Island, New York*, U.S. Geological Survey Water-Resourced Investigations Report 88-4135, 25 pp.

## NEW YORK PROFESSIONAL GEOLOGIST SEAL

As a New York-licensed Professional Geologist, I have reviewed and approve this Vertical Profile Boring Data Summary Report for Vertical Profile Boring 173 - Groundwater Investigation at Naval Industrial Reserve Plant Bethpage Operable Unit 2, Site 1, and seal it in accordance with Article 145 Section 7209 of the New York State Education Laws. In sealing this document, I certify it was prepared under my direction, the geological information contained in it is true to the best of my knowledge and the geological methods and procedures included herein are consistent with currently accepted geological practices.

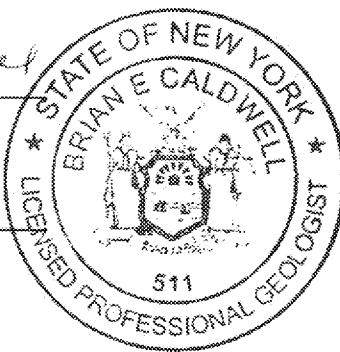
It is a violation of this law for any person to alter the contained drawings or the report in any way, unless he or she is acting under the direction of a NY-licensed Professional Geologist.

Name: Brian E. Caldwell  
NY PG License Number: 000511  
State: New York

Signature:

May 21 2020

Date:



**Tables**

**TABLE 1**  
**VERTICAL PROFILE BORING SUMMARY**  
2018 OU2 GROUNDWATER INVESTIGATION  
NWIRP BETHPAGE, NY

BORING	BORING START DATE	BORING COMPLETION DATE	GROUND ELEVATION (MSL)	TOTAL DEPTH (ft bgs)	SURFACE CASING SET AT (ft bgs)*	NO. OF SPOON SAMPLES	GEOPHYSICAL LOG DEPTH (ft bgs)	NO. GW SAMPLES COLLECTED/ DUPLICATES/ ATTEMPTED	TOC SAMPLE DEPTH (ft bgs)	DATE OF AIR SAMPLE	WELLS INSTALLED AT LOCATION
VPB173	10/2/2018	12/17/2018	61.19	980	49.5	12	978	38/2/12	543-545	11/27/2018	BPOW3-5

MSL - mean sea level

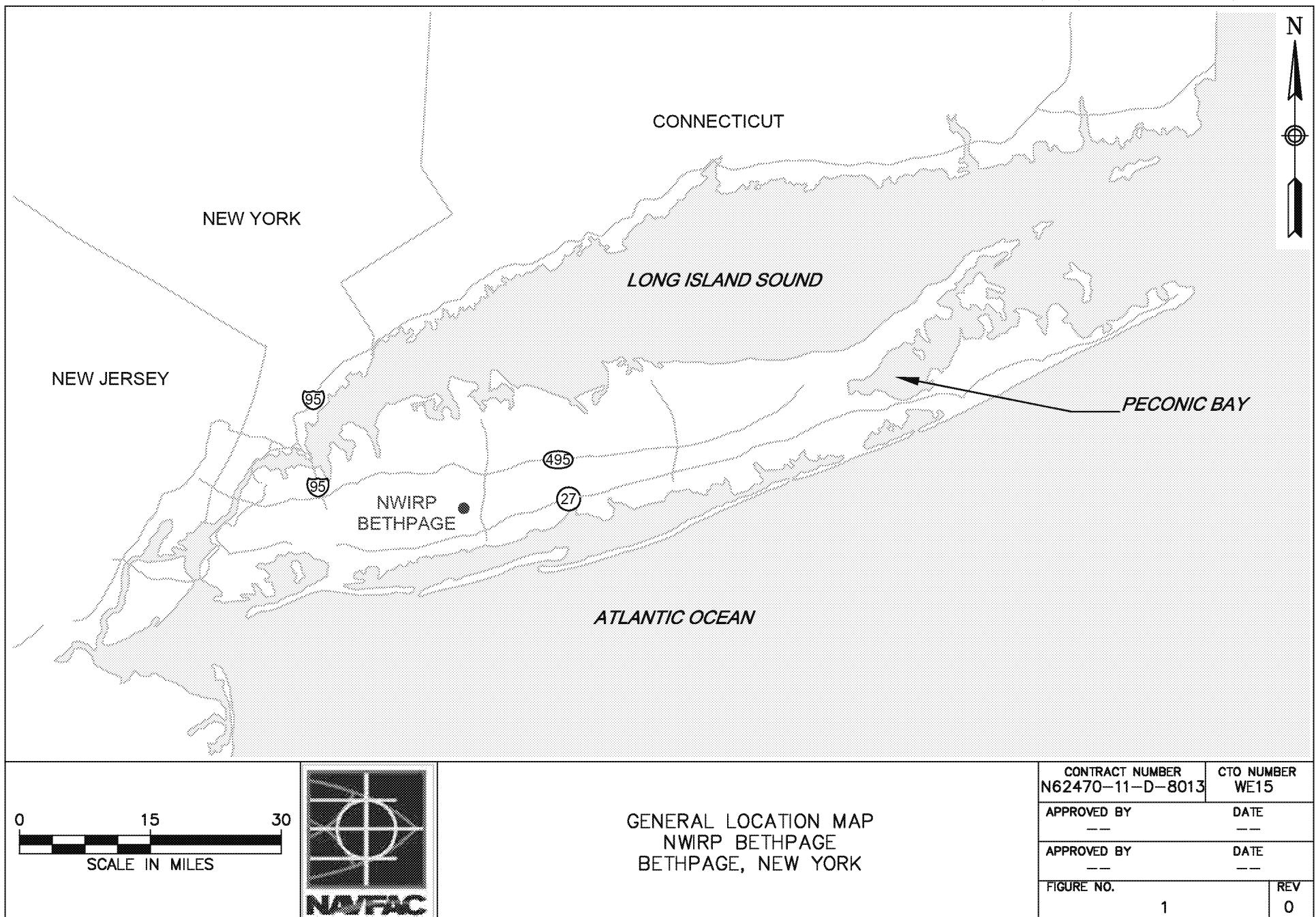
ft bgs - feet below ground surface

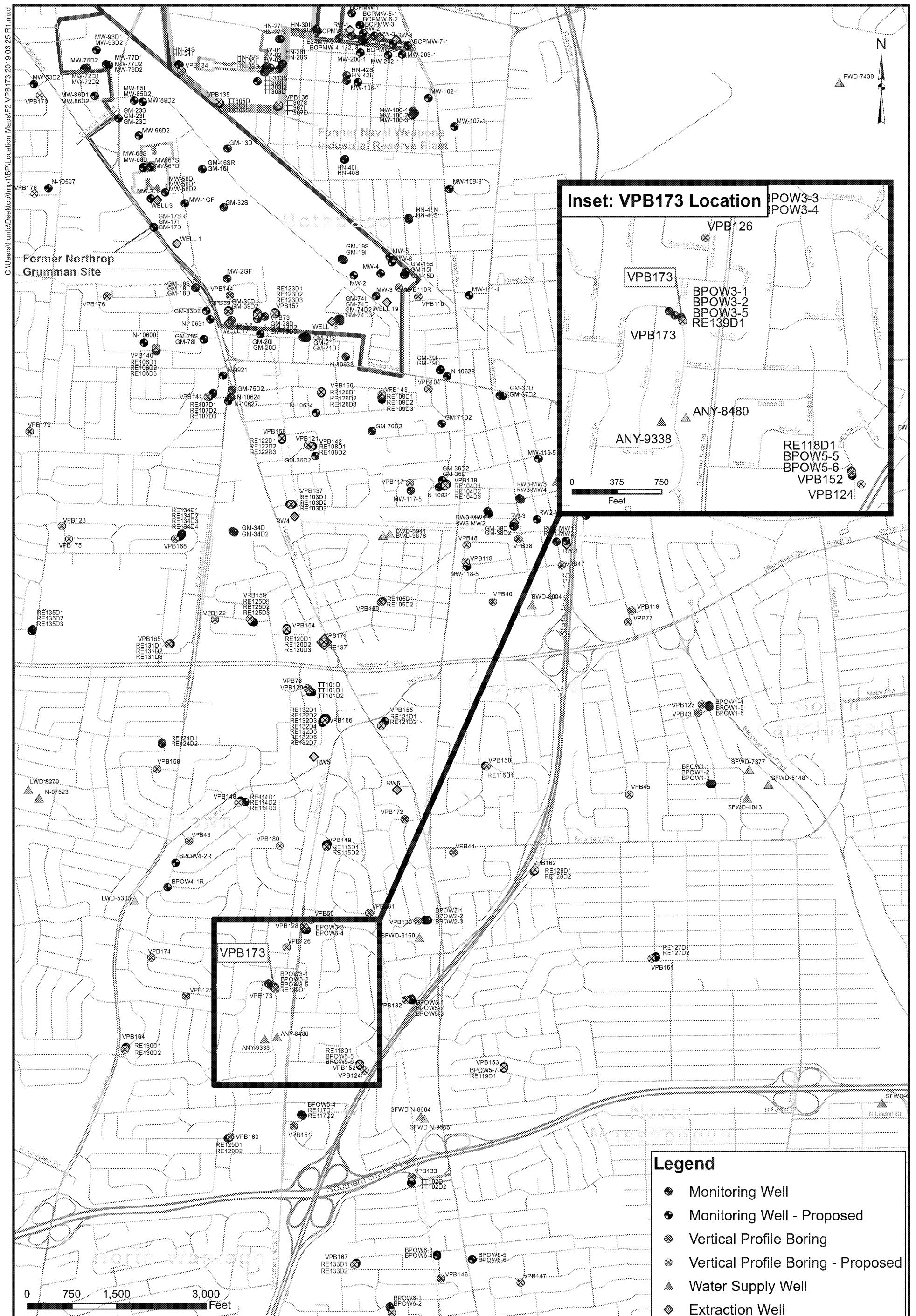
GW - Groundwater

TOC - Total Organic Carbon

\*8-inch casing installed to 126 feet inside 10-inch casing

## **Figures**





VPB173 LOCATION MAP  
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT  
BETHPAGE, NEW YORK

CONTRACT NUMBER N62470-11-D8013	CTO NUMBER WE15
APPROVED BY PS	DATE 5/18/2020
APPROVED BY _____	DATE _____
FIGURE NO. <b>2</b>	REV 0

## **Appendices**

## **Appendix A**

**VPB173**

**Section 1**  
**VPB173 Boring and Geophysical Logs**

# Resolution Consultants

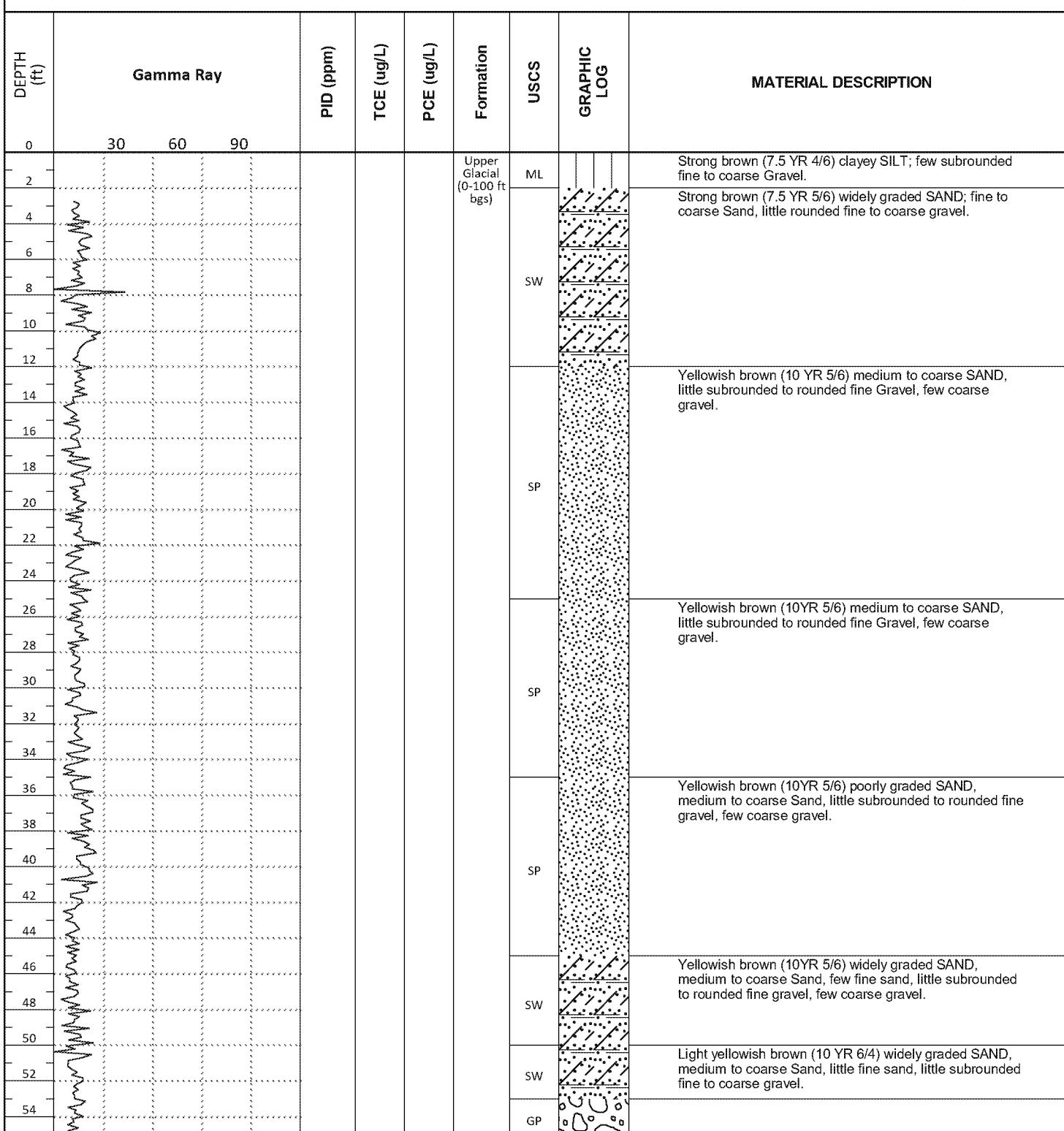
## Boring Log

BORING #: VPB173

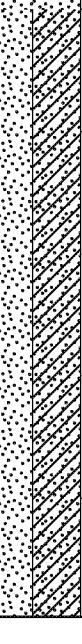
Sheet 1 of 16

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic			Logged By: V. Thayer
Location: Red Maple Drive, Town of Levittown, NY	Northing: 198577.38	Easting: 1124872.35	Drilling Company: Delta Well & Pump
Project #: 60266526	Ground Elevation (ft amsl): 61.19		Well Screen Interval (ft): NA
Start Date: 10/2/2018	Drilling Method: Auger (0-50' bgs) Mud Rotary (>50' bgs)		Water Level (ft): NA
Finish Date: 12/17/2018			Total Depth (ft): 980.0

Mud Rotary Drilling Note: Unless denoted by a splitspoon sample (indicated by the presence of a PID reading), boundaries between strata are approximate and may be transitional because they are based on screened wash samples collected during mud rotary drilling at 5 ft. intervals.



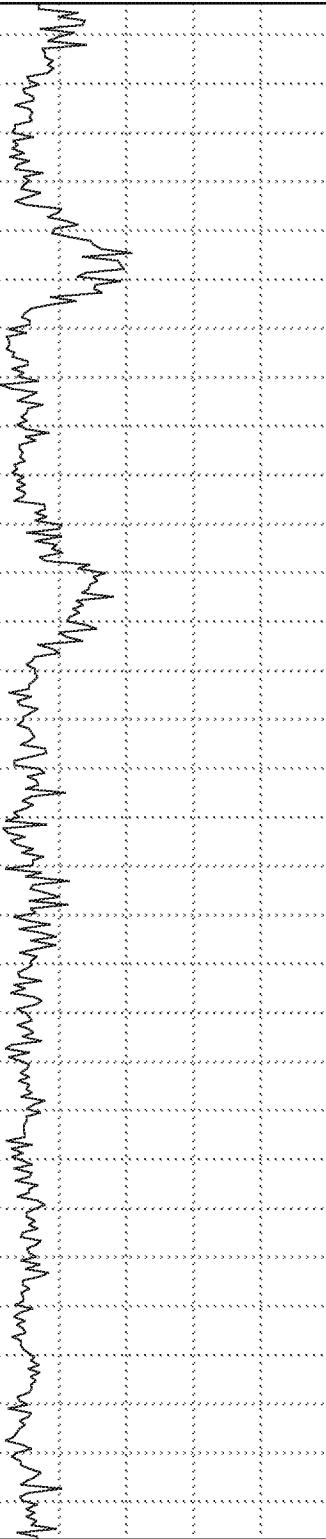
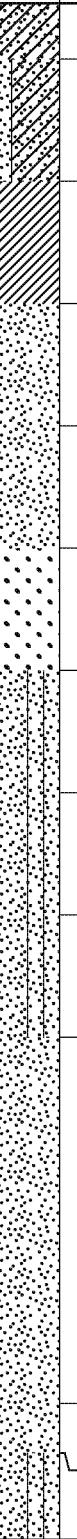
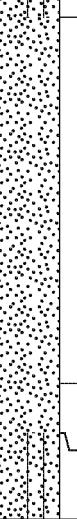
(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
30	30	60	90							
56							Upper Glacial (0-100 ft bgs)	GP		White (10 YR 8/1) and yellow (10 YR 7/6) poorly graded GRAVEL, rounded to subrounded fine Gravel, little coarse sand, few fine to medium Sand, trace coarse gravel. <i>(continued)</i>
58										Very pale brown (10 YR 8/2) to white (10 YR 8/1) poorly graded GRAVEL, Quartz, subrounded to rounded "pea size" fine gravel, little coarse sand, few fine to medium sand.
60				<1 U	<1 U					Very pale brown (10 YR 8/4) to white (10 YR 8/1) poorly graded SAND, Quartz, coarse sand, little medium sand, few fine gravel.
62										Light yellowish brown (10 YR 6/4) SAND, poorly graded Sand, medium sand, some subrounded to rounded coarse sand, few fine gravel.
64										White (10YR 8/1) and yellow (10 YR 7/6) poorly graded GRAVEL, rounded to subrounded fine Gravel (pea size), some medium to coarse sand.
66										White (10YR 8/1) and yellow (10 YR 7/6) poorly graded GRAVEL, rounded to subrounded fine Gravel, one iron concretion, little medium to coarse sand.
68										Brownish yellow (10 YR 6/6) poorly graded SAND, subangular medium Sand, few subrounded coarse sand, trace fine gravel, trace silt.
70										Brownish yellow (10 YR 6/6) poorly graded SAND with Clay, medium Sand, few subrounded coarse sand, few clay, several iron concretions, interbedded clay stringers.
72										Yellow (10 YR 7/6) poorly graded SAND with Clay, medium Sand, some coarse sand, few fine sand, few clay, interbedded clay stringers.
74										Light yellowish brown (10 YR 6/4) poorly graded sand with clay, medium sand, subrounded coarse sand, few clay, few lignite stringers.
76										Light yellowish brown (10 YR 6/4) poorly graded SAND, subrounded to subangular medium Sand, few coarse sand, few subrounded to subangular fine gravel, iron concretions, few interbedded clay and lignite stringers.
78										Light yellowish brown (10 YR 6/4) poorly graded SAND with Clay, subangular to subrounded medium Sand, little coarse sand, few subrounded fine gravel, quartz, few fine sand and clay, interbedded very pale brown clay and lignite stringers, iron concretions.
80							Magothy (100-940 ft bgs)	SP-SC		
82										
84										
86										
88										
90										
92										
94										
96										
98				<0.5 U	<0.5 U					
100										
102										
104										
106										
108										
110										
112										
114										
116										

(Continued Next Page)

DEPTH (ft)	Gamma Ray		PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
118	30	60	90						
120						Magothy (100-940 ft bgs)	SP-SC		Very pale brown (10 YR 7/4) poorly graded SAND, medium to coarse Sand, few rounded fine quartz gravel, iron concretions, few interbedded lignite, clay stringers.
122							SC		Very pale brown (10 YR 7/4) clayey SAND, subangular medium Sand, little fine sand, little subrounded coarse sand, 30% clay, several iron concretions.
124							CL		Pinkish white (5 YR 8/2) and gray (5 YR 6/1) CLAY, little Sand.
126									
128									
130									Very pale brown (10 YR 7/3) poorly graded SAND with Clay, subangular medium sand, few coarse sand, few fine sand, few clay, possible interbedded clay stringer.
132									
134									
136									
138									
140									
142									
144									Very pale brown (10 YR 7/3) poorly graded SAND, subangular medium Sand, few subrounded coarse sand, few subrounded fine gravel, trace coarse gravel, several iron concretions, one possible interbedded pinkish gray (7.5 YR 7/2) clay stringer.
146									
148									Pale brown (10 YR 6/3) poorly graded SAND, subangular medium Sand.
150									
152									
154				<0.5 U	<0.5 U				Very pale brown (10 YR 7/3) poorly graded SAND, medium Sand.
156									
158									
160									Very pale brown (10 YR 7/4) poorly graded SAND, subangular to subrounded medium Sand, few fine sand.
162									
164									Very pale brown (10 YR 7/4) poorly graded SAND, subangular to subrounded medium Sand, few fine sand, interbedded clay stringer.
166									
168									
170									Pale brown (10 YR 6/3) poorly graded SAND, subangular to subrounded medium Sand, few fine sand, one interbedded clay stringer.
172									
174									Pale brown (10 YR 6/3) poorly graded SAND, subangular to subrounded medium Sand, few fine sand, one interbedded pink clay stringer.
176									
178									
180									Pale brown (10 YR 6/3) poorly graded SAND, medium Sand, few fine sand, hematite nodules, interbedded grey clay stringers.

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	<b>MATERIAL DESCRIPTION</b>	
	30	60	90								
182				Magothy (100-940 ft bgs)			SC	SP-SC		Very pale brown (10 YT 7/3) clayey SAND, some fine Sand. (continued)	
184										Very pale brown (10 YR 7/3) poorly graded SAND with Clay, fine to medium sand, few clay, several hematite concretions.	
186											
188										Gray (10 YR 5/1) sandy CLAY.	
190											
192											
194										Gray (10 YR 5/1) poorly graded SAND, fine to medium Sand.	
196											
198										Very pale brown (10 YR 7/3) poorly graded SAND, fine to medium Sand.	
200											
202										Dark grey silty SAND, fine Sand, little medium sand, iron concretions, little silt.	
204				<0.5 U	16			SM			
206											
208										Dark gray (10 YR 4/1) poorly graded SAND with Silt, subangular medium sand, little silt, trace coarse sand, iron concretions.	
210											
212										Grayish brown (10 YR 5/2) poorly graded SAND with Silt, medium sand, little fine sand, few silt.	
214											
216										Grayish brown (10 YR 5/2) poorly graded SAND with Silt, fine to medium sand, trace coarse sand, lignite flakes, iron concretions.	
218				0.90 J	76			SP-SM			
220											
222										Pale brown (10 YR 6/3) poorly graded SAND, subangular fine to medium Sand, trace silt.	
224											
226											
228											
230											
232											
234											
236											
238				<0.5 U	2.5			SP		Brown (10 YR 5/3) poorly graded SAND, medium Sand, few fine sand, trace fines, few iron concretions, lignite laminae.	
240										Light yellowish brown (10 YR 6/4) poorly graded SAND with Silt, fine to medium sand, 10% silt.	
242											

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
244	30	60	90				Magothy (100-940 ft bgs)	SP-SM		Light yellowish brown (10 YR 6/4) poorly graded SAND with Silt, fine to medium sand, 10% silt. (continued)
246								SP-SM		
248								SP-SM		
250								SP-SM		
252								SP-SM		
254								SP-SM		
256								SP-SM		
258								SP		
260				<0.5 U	14			SP		Pale brown (10 YR 6/3) poorly graded SAND, fine Sand.
262								SP/CL		
264								SP/CL		
266								SP/CL		
268								SP/SC		
270								SP/SC		
272								SP/SC		
274								SP/SC		
276								SP/SC		
278				<0.5 U	<0.5 U			CL		
280								CL		Very dark grey (10 YR3/1) sandy CLAY.
282								CL		
284								CL		
286								SC		
288								SC		
290								SC		
292								SC		Very dark gray (10 YR 3/1) clayey SAND, fine to medium Sand, lignite fragments, some clay.
294								SP-SC		
296								SP-SC		
298								SP-SC		
300								SP-SM		
302								SP-SM		
304						0		SP-SM		
306								SP-SM		Gray (Gley 1N6) poorly graded SAND with Silt, micaceous fine sand, lignite laminae.

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
	30	60	90							
308					<0.5 U	<0.5 U	Magothy (100-940 ft bgs)	SP-SM		Dark grayish brown (10 YR 4/2) poorly graded SAND, fine Sand, few medium sand, trace clay.
310								SP		
312								SP-SC		Gray (10 YR 5/1) poorly graded SAND with Clay, fine sand, a few clay stringers.
314								SP-SM		
316								SM		Gray (10 YR 5/1) poorly graded SAND with Silt, fine sand, few silt.
318										Gray (7.5 YR 5/1) silty fine SAND.
320										
322										Gray (7.5 YR 5/1) silty fine to medium SAND.
324										
326										
328										
330										
332										
334										
336										
338										
340										
342										
344										
346										
348										Dark gray (10 YR 4/1) CLAY, dense Clay.
350										
352										
354										
356										
358										
360										
362										
364										
366										
368										

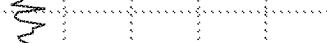
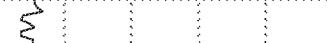
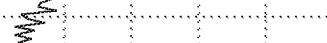
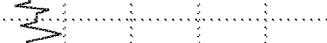
(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
370	30 60 90				Magothy (100-940 ft bgs)			Dark gray (10 YR 4/1) CLAY, dense Clay. (continued)
372								
374						CL		
376								
378								
380								
382								Gray (7.5 YR 5/1) silty fine to medium SAND.
384								
386								
388								
390		<0.5 U	<0.5 U					
392								
394								Very dark gray (2.5 YR 3/1) poorly graded SAND with Silt, fine sand, little medium sand, few silt.
396								
398								
400		<0.5 U	<0.5 U					Very dark gray (2.5 YR 3/1) poorly graded SAND, fine sand, little medium sand, few silt.
402								
404								Very dark gray (10 YR 3/1) silty SAND, fine Sand, little silt, lignite flakes, micaceous.
406								
408		<0.5 U	<0.5 U					
410								Very dark gray (7.5 YR 3/1) poorly graded SAND with Silt, fine sand, few silt, few lignite.
412								
414								Very dark gray (2.5 YR 3/1) CLAY.
416								
418								
420								
422								
424		0						Light gray (Gley 7/2) poorly graded SAND with Silt, micaceous fine sand, few silt, interbedded lignite laminae.
426								Dark gray (10 YR 4/1) CLAY.
428								Light gray (Gley 7/2) poorly graded SAND with Silt.
430		<0.5 U	<0.5 U					Dark gray (10 YR 4/1) CLAY.
432								

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
	30	60	90							
434							Magothy (100-940 ft bgs)	ML		Very dark gray (2.5 YR 3/1) sandy SILT, fine Sand, little medium sand, lignite flakes.
436										
438										
440										
442										
444										
446										
448				<0.5 U	<0.5 U					
450										
452										
454										
456										
458										
460				<0.5 U	<0.5 U					
462										
464										
466										
468										
470										
472										
474										
476										
478				<0.5 U	<0.5 U					
480										
482										
484										
486										
488										
490										
492										
494										

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
496	30	60	90				Magothy (100-940 ft bgs)	SP		Gray (10 YR 5/1) poorly graded SAND, fine to medium Sand, trace silt, lignite flakes. (continued)
498				<0.5 U	<0.5 U		SW-SM			Gray (10 YR 5/1) widely graded SAND with Silt, fine to coarse sand, few silt, lignite flakes.
500							SW			Gray (10 YR 5/1) widely graded SAND, fine to coarse Sand, trace silt, lignite fragments.
502							SP-SM/CL			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, trace coarse sand, trace silt, a few interbedded clay stringers.
504							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite, muscovite flakes.
506				<0.5 U	<0.5 U		SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, interbedded clay stringers.
508							SP-SM/CL			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite, muscovite flakes.
510							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, interbedded clay stringers.
512							SP-SM/CL			Dark gray (10 YR 4/1) poorly graded SAND, medium grained Sand, little fine sand, few coarse sand, trace silt.
514							SP			Dark gray (10 YR 4/1) sandy CLAY.
516							CL			Gray (10 YR 6/1) poorly graded SAND, fine to medium Sand, trace silt.
518							SP			Very dark gray (10 YR 3/1) poorly graded SAND with Silt, subangular fine to medium sand, trace coarse sand, few silt, lignite fragments.
520				<0.5 U	<0.5 U		SP-SM			Dark gray (10 YR 4/1) well graded SAND with Silt, fine to subrounded coarse sand, few silt, lignite fragments.
522							SW-SM			
524										
526										
528										
530										
532										
534										
536										
538										
540										
542										
544				0						
546										
548										
550										
552										
554										
556										

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
558	30	60	90				Magothy (100-940 ft bgs)			
560							SW-SM			Dark gray (10 YR 4/1) well graded SAND with Silt, fine to subrounded coarse sand, few silt.
562							SW			Gray (10 YR 5/1) well graded SAND, fine to coarse Sand, lignite fragments.
564							SP-SM			Gray (10 YR 5/1) poorly graded SAND with Silt, medium sand, few fine sand, trace coarse sand, few silt, lignite fragments.
566							SW			Gray (10 YR 5/1) well graded SAND, fine to subrounded coarse Sand, trace silt, lignite fragments.
568				<0.5 U	<0.5 U		SP			Gray (10 YR 5/1) poorly graded SAND, fine to medium Sand, trace coarse sand.
570							SP			Gray (10 YR 5/1) poorly graded SAND, medium Sand, little fine sand, trace coarse sand, lignite fragments.
572							SW			Dark gray (10 YR 4/1) fine to medium angular SAND, tract lignite.
574							SW			Gray (10 YR 5/1) fine to medium angular SAND, tract lignite.
576							SP-SM			Dark gray (10 YR 3/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
578							SP-SM			Gray (10 YR 5/1) poorly graded SAND, medium Sand, little fine sand, few silt.
580							SP-SM			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
582							SP-SM			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
584				<0.5 U	<0.5 U		SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
586							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
588							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
590							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
592							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
594							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
596							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
598							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
600				<0.5 U	<0.5 U		SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
602							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
604							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
606							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
608							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
610							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
612							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
614							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
616							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
618							SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.
620				<0.5 U	<0.5 U		SP			Gray (10 YR 5/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes.

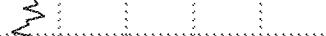
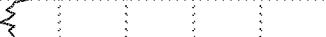
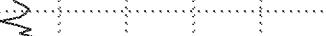
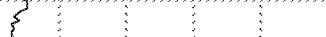
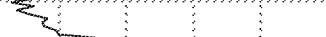
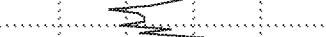
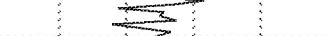
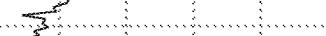
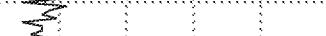
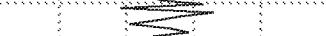
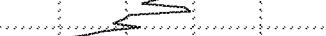
(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
622	30	60	90				Magothy (100-940 ft bgs)	SW		Gray (10 YR 5/1) well graded SAND, fine to subrounded coarse Sand, trace silt. (continued)
624							SP-SM			Gray (7.5 YR 5/1) poorly graded SAND with Silt, fine to medium sand, trace subangular coarse sand, few silt, lignite flakes.
626							SP-SM/CL			Gray (7.5 YR 5/1) poorly graded SAND with Silt, fine to medium sand, few silt, interbedded whitish-gray clay stringer.
628							SP			Gray (7.5 YR 6/1) poorly graded SAND, fine to medium sand, trace silt.
630					1.9 J	<0.5 U	SM			Dark gray (10 YR 4/1) silty SAND, fine to coarse Sand, lignite flakes, 20% silt.
632							SW			Gray (10 YR 5/1) widely graded SAND, fine to coarse Sand, few fine gravel, trace silt.
634					1.9 J	<0.5 U	SP-SC			Gray (10 YR 5/1) poorly graded SAND with Clay, medium sand, little fine sand, trace coarse sand, few clay.
636							SC			Gray (10 YR 5/1) clayey SAND, medium Sand, little fine sand, 25% fines (clay).
638					7	<0.5 U	SW/SC			Grayish brown (10 YR 5/2) widely graded SAND, fine to coarse Sand, lignite fragments, interbedded greyish white clay layer.
640							SP-SC			Grayish brown (10 YR 5/2) poorly graded SAND with Clay, subangular medium sand, little fine sand, few clay, several hematite concretions, trace coarse sand.
642							SP/CL			Grayish brown (10 YR 5/2) poorly graded SAND, subangular medium Sand, little fine sand, interbedded white clay lens.
644							SP-SC			Grayish brown (10 YR 6/1) poorly graded SAND with Clay, subangular medium sand, little fine sand, few clay.
646							CH			Very dark gray (10 YR 3/1) fat CLAY.
648										
650										
652										
654										
656										
658										
660										
662										
664										
666										
668										
670					29	<0.5 U				
672										
674										
676										
678										
680					0					
682										

(Continued Next Page)

DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
684	30	60	90				Magothy (100-940 ft bgs)	SC		Gray (10 YR 5/1) clayey SAND, subangular fine to medium Sand, little clay. (continued)
686								SW		Gray (10 YR 5/1) widely graded SAND, fine to coarse Sand, trace clay.
688								SW-SC		
690				9.8	<0.5 U			SC		Gray (10 YR 5/1) widely graded SAND with Clay, fine to coarse sand, few subrounded fine gravel, few clay.
692								GC		
694								CL		Light gray (10 YR 7/1) clayey SAND, fine to coarse Sand, little subrounded fine gravel, little white clay.
696								GP-GC		
698								CH		Light gray (10 YR 7/1) clayey GRAVEL, subrounded fine Gravel, little sand, little white clay.
700								GC		
702								GP-GC		Gray (7.6 YR 6/1) CLAY.
704								GP-GC		
706								CH		Light gray (10 YR 7/1) poorly graded GRAVEL with Clay, subrounded fine gravel, some sand, few clay.
708								GC		
710								GP-GC		Gray (7.6 YR 6/1) fat CLAY.
712								GP-GC		
714					<0.50 U	<0.5 U		GW-GC		
716								CH		Light gray (10 YR 7/1) clayey GRAVEL, subrounded fine Gravel, fine to coarse sand, mixed with white to gray clay.
718				0				GC		
720								GP-GC		Light gray (10 YR 7/1) poorly graded GRAVEL with Clay, subrounded fine gravel, little fine to coarse sand, trace coarse gravel, few clay.
722								GP-GC		
724								CH		Light gray (10 YR 7/1) poorly graded GRAVEL with Clay, subrounded fine gravel, trace coarse gravel, little sand, few white to light gray clay.
726								GC		
728								GP-GC		Light gray (10 YR 7/1) poorly graded GRAVEL with Clay, subrounded fine gravel, trace coarse gravel, little sand, few white to light gray clay.
730								GP-GC		
732								GW-GC		Light gray (10 YR 7/1) poorly graded GRAVEL with Clay, subrounded fine gravel, trace coarse gravel, little sand, few white to light gray clay.
734								CH		
736								GP-GC		Gray (10 YR 7/1) widely graded GRAVEL with Clay, subrounded fine to coarse gravel, little sand, few white clay.
738								GC		
740								GP-GC		Gray (10 YR 6/1) poorly graded GRAVEL with Clay, subrounded to rounded fine gravel, little sand, white clay clump, few clay.
742										
744										
746										

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
30	30							
60	60							
90	90							
748					Magothy (100-940 ft bgs)	GP-GC		Gray (10 YR 6/1) poorly graded GRAVEL with Clay, subrounded to rounded fine gravel, little sand, white clay clump, few clay. (continued)
750		78	<0.5 U					
752								
754								
756								
758		120	<0.5 U					
760								
762								
764								
766								
768								
770								
772								
774								
776								
778								
780								
782								
784								
786								
788								
790								
792								
794								
796								
798								
800								
802								
804								
806								
808								
						CL		Gray (7.6 YR 6/1) CLAY.

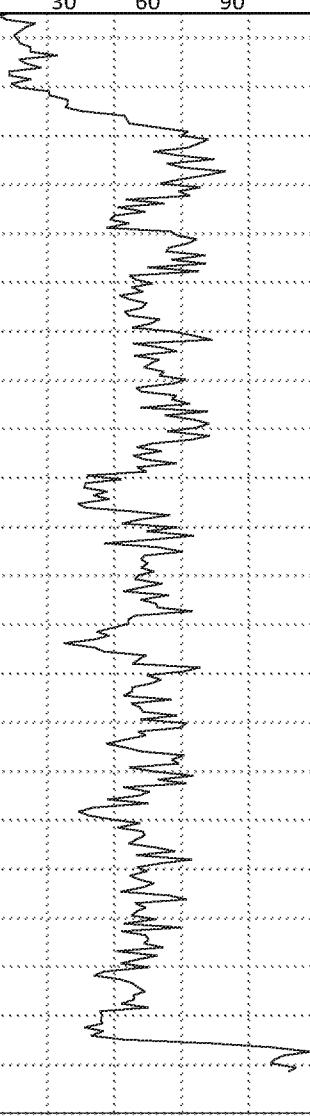
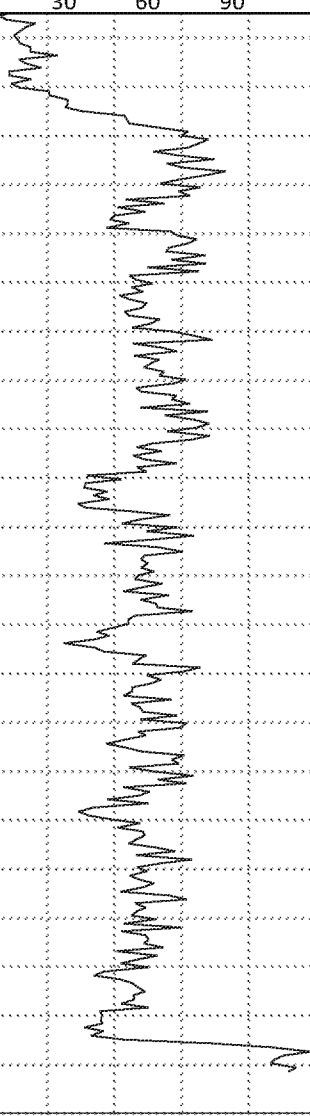
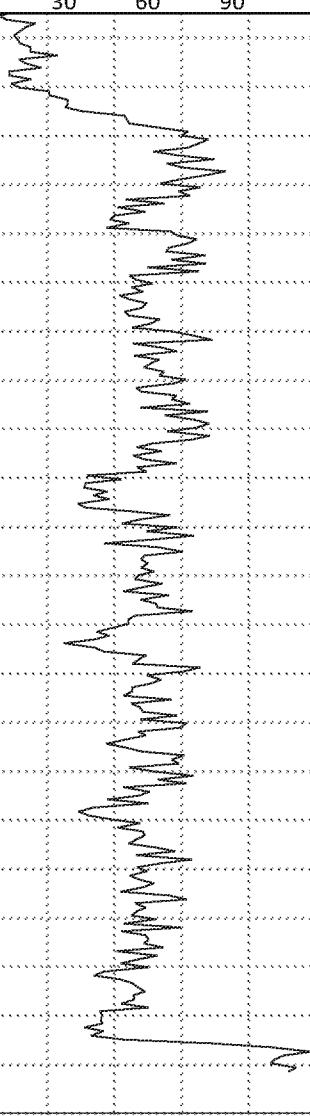
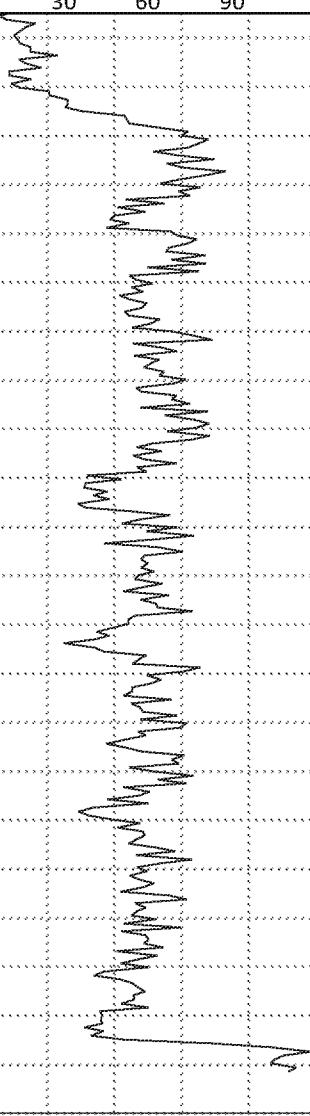
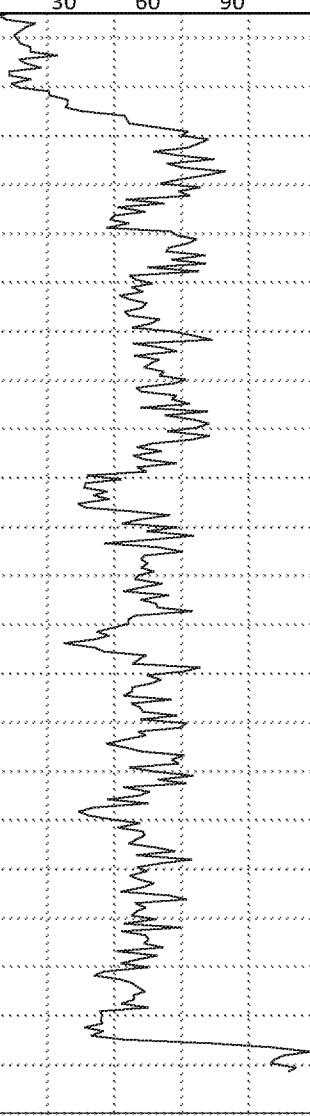
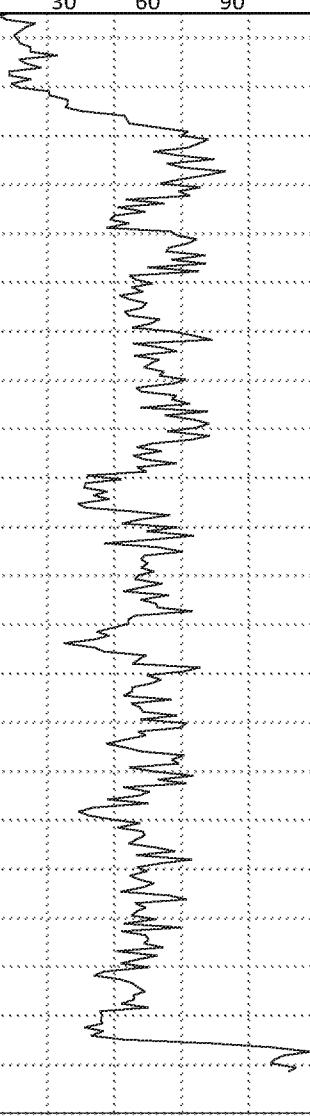
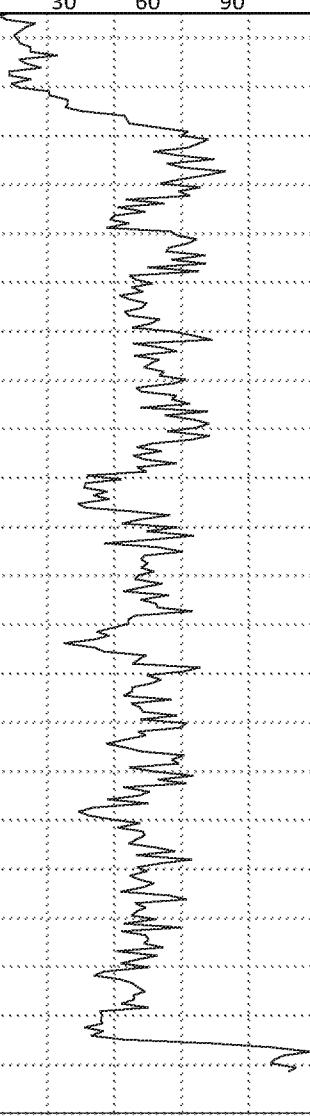
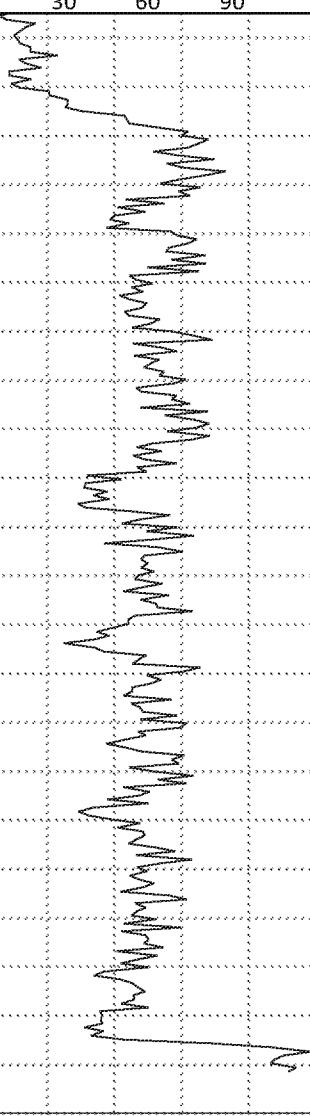
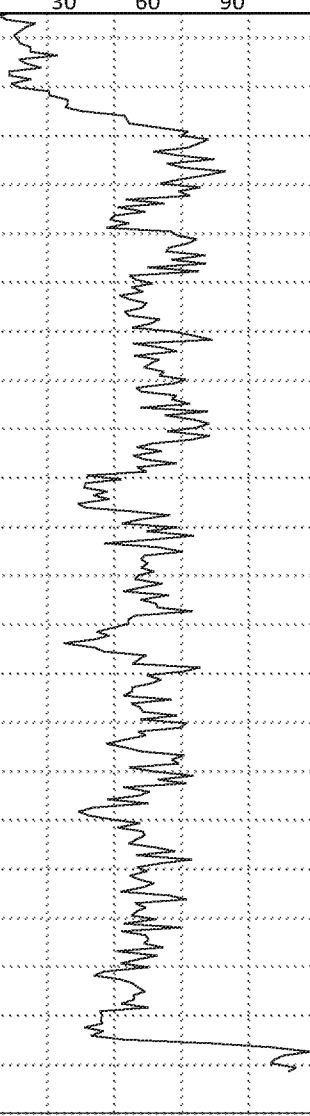
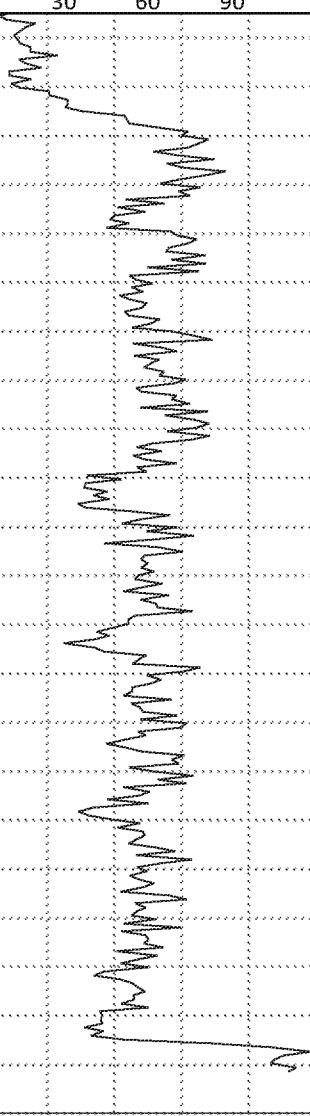
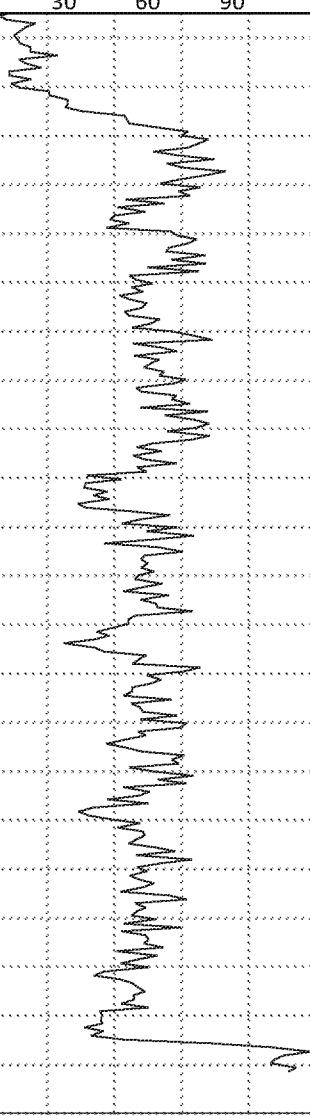
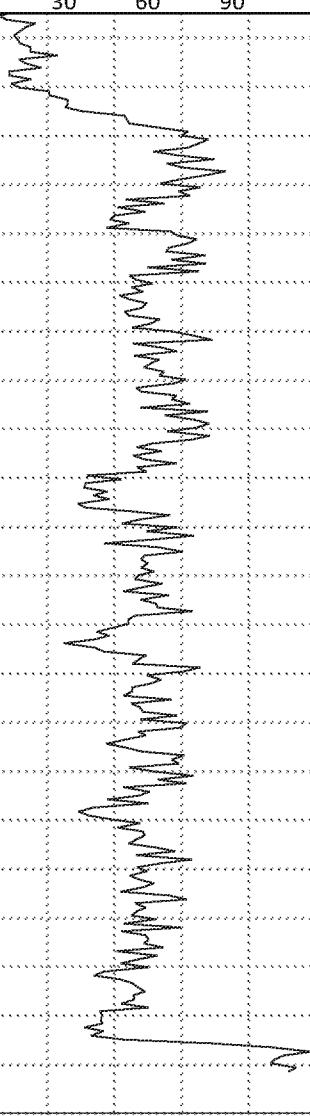
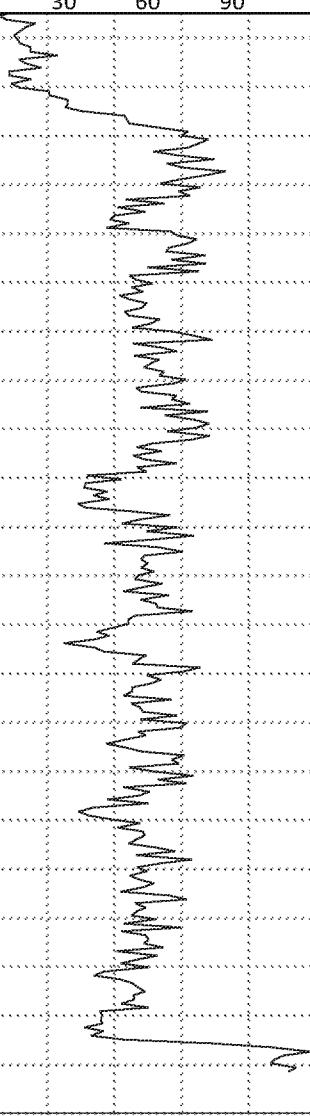
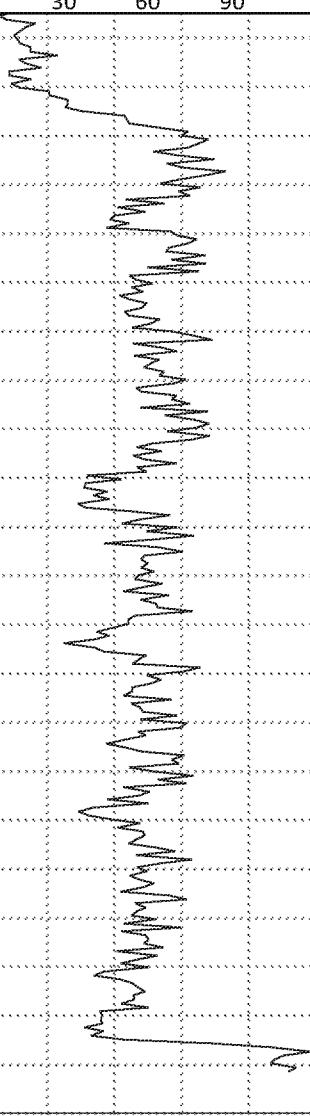
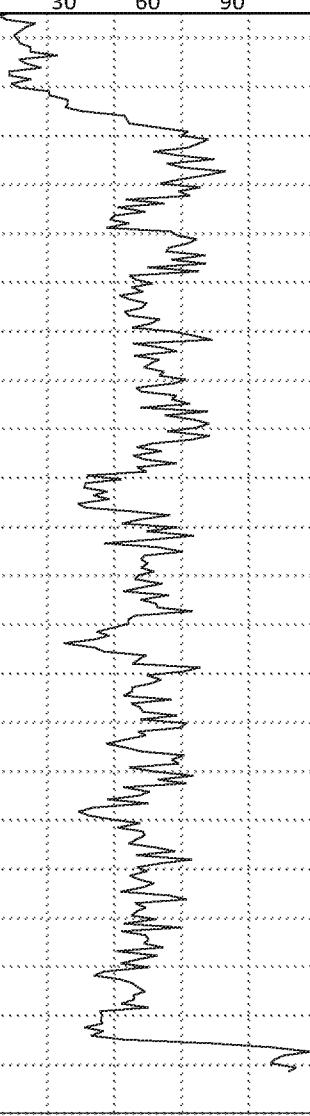
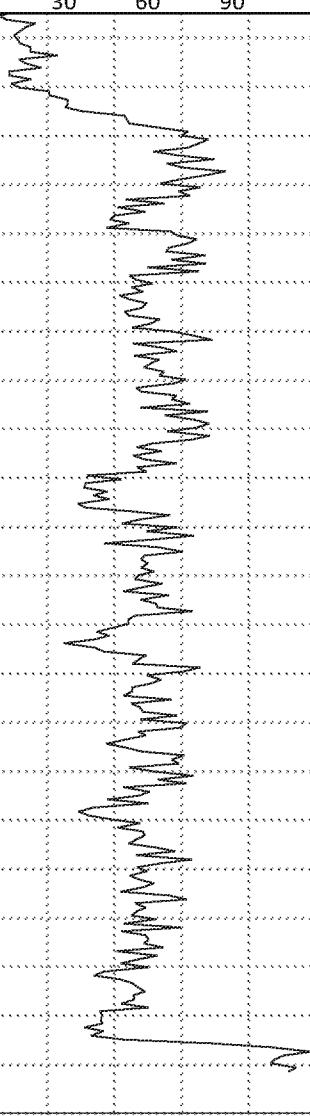
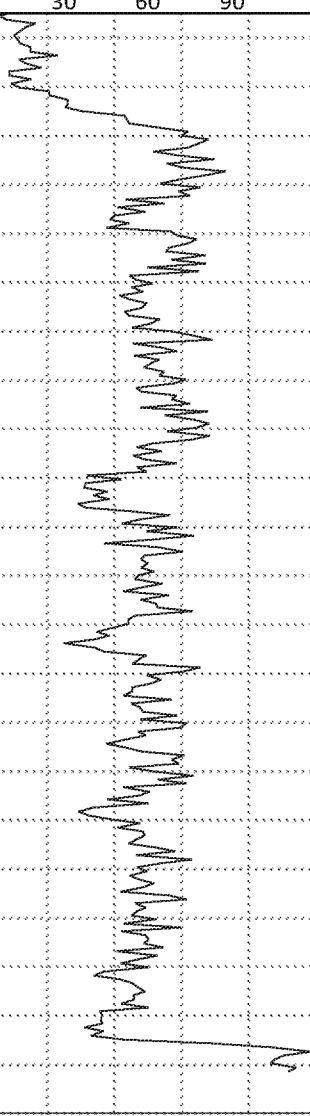
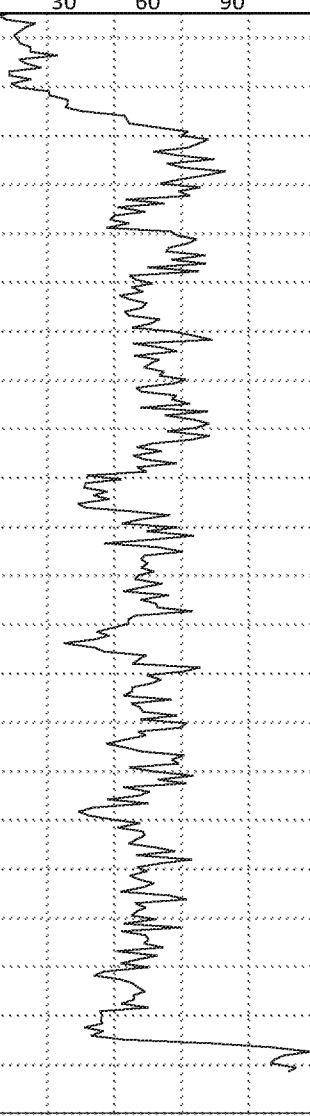
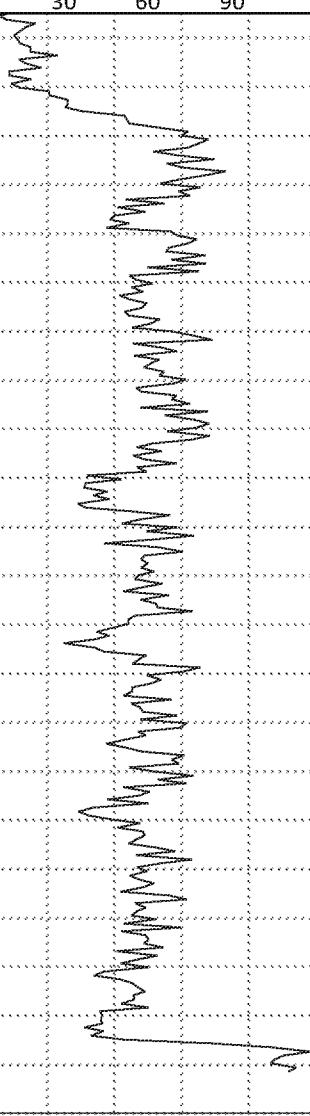
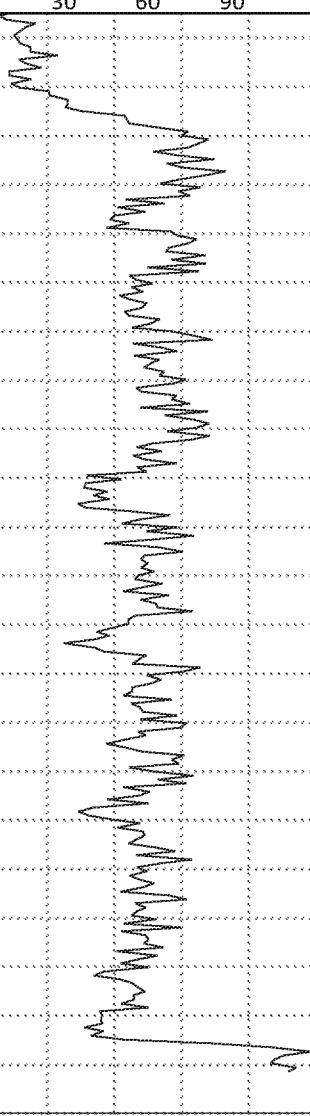
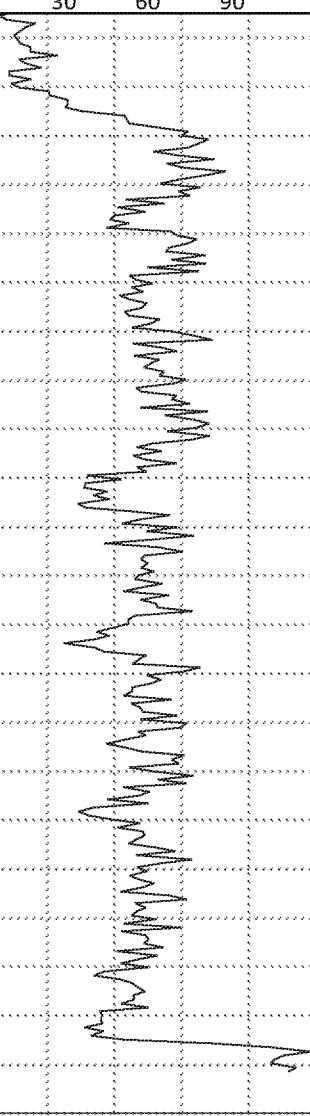
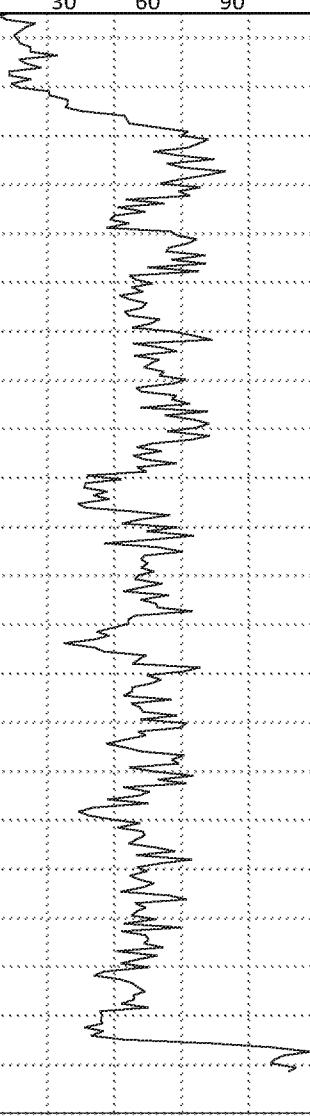
(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
810	30 60 90				Magothy (100-940 ft bgs)			Light gray (Gley 17) poorly graded SAND with clay, medium sand, interbedded with clayey sand (3 inches), fine sand, little clay (25%).
812						SP-SC		
814		0				SP-SC		
816						SC		Gray (10 YR 6/1) poorly graded SAND with Clay, subangular to subrounded medium sand, few coarse sand, few clay.
818						SC		Gray (10 YR 6/1) sandy CLAY, fine Sand, little medium sand, few coarse sand, 75% clay.
820			<0.5 U	<0.5 U		SC		
822						SC		Gray (10 YR 6/1) clayey SAND, subangular medium Sand, little fine sand, 25% clay (fine).
824						SP-SC		
826						SC		Gray (10 YR 6/1) poorly graded SAND with Clay, fine to medium sand, trace fine gravel, 15-20% clay.
828						SC		
830						SP-SC		Dark gray (10 YR 4/1) clayey SAND, subangular medium Sand, little fine sand, trace coarse sand, lignite fragment, 20% clay.
832						SC		
834			<0.5 U	<0.5 U		SP-SC		Dark gray (10 YR 4/1) poorly graded SAND with Clay.
836						SC		
838						SP-SC		Dark gray (10 YR 4/1) poorly graded SAND with Clay, subangular medium sand, little fine sand, trace coarse sand, few clay.
840						SC		
842						SP-SC		Gray (10 YR 5/1) clayey SAND.
844						SC		
846						SP-SC		Gray (10 YR 5/1) clayey SAND, some Clay, fine to medium sand, trace coarse sand.
848						SC		
850						SP-SC		Gray (10 YR 6/1) poorly graded SAND with Clay, fine sand, little medium sand, trace coarse sand, few clay (fines).
852						SC		
854						SP-SC		Gray (10 YR 6/1) clayey SAND, fine Sand, few medium sand, trace coarse sand, lignite fragments.
856						SC		
858						SP-SC		Gray (10 YR 5/1) clayey SAND, fine Sand, few medium sand, few coarse sand, little clay (fines).
860						SC		
862						SP-SC		
864						SC		
866						SP-SC		
868						SC		
870						SC		
872						SC		

(Continued Next Page)

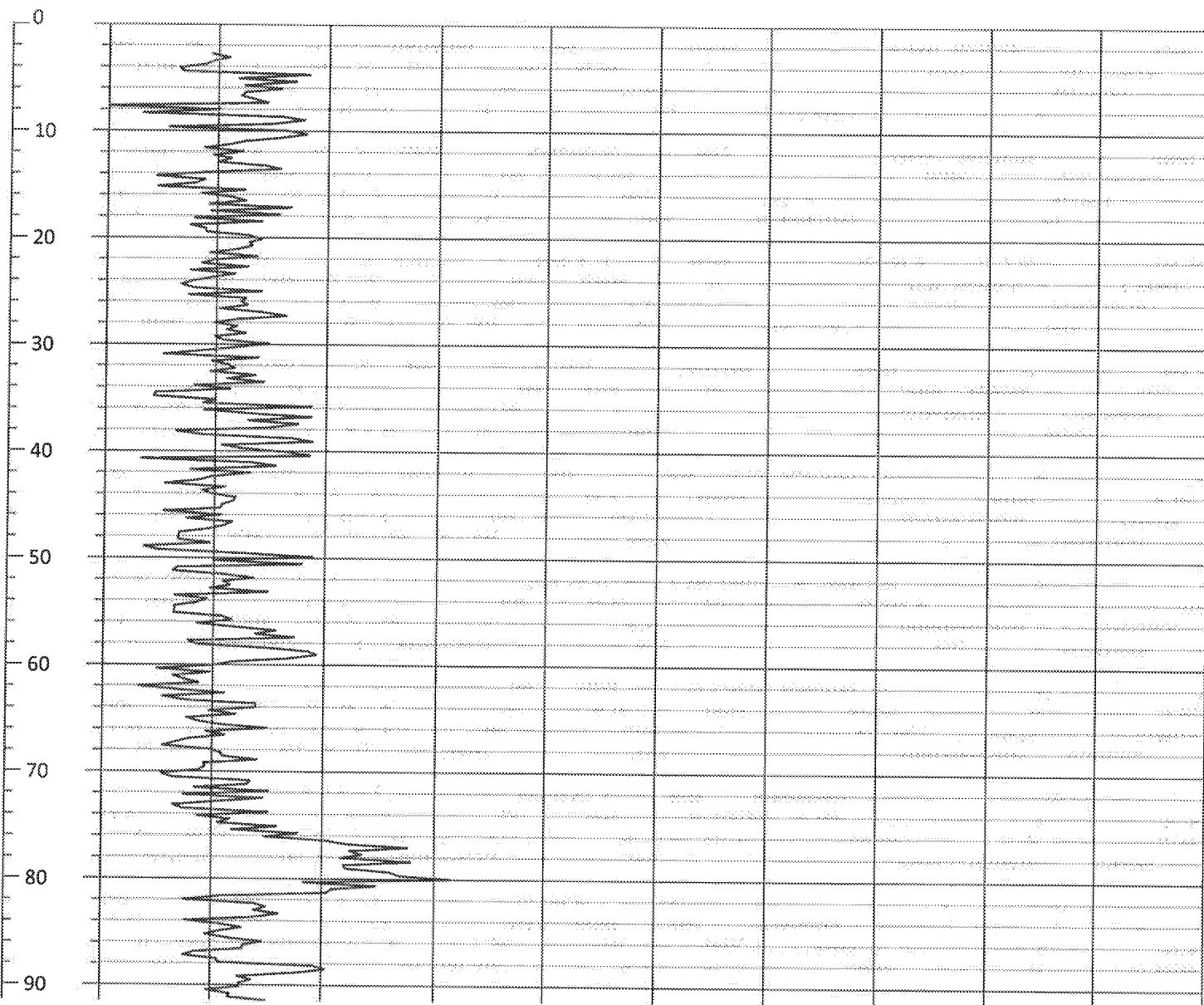
DEPTH (ft)	Gamma Ray			PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
30	30	60	90							
874							Magothy (100-940 ft bgs)	SC		Gray (10 YR 6/1) clayey SAND, fine Sand, little medium sand, trace coarse sand, little clay (fines).
876										
878										Dark gray (10 YR 4/1) sandy CLAY.
880				<0.5 U	<0.5 U					
882										
884										Dark gray (10 YR 4/1) lean CLAY.
886										
888										
890										
892							CL			
894										
896										
898										
900										
902										
904								CL		Light gray (Gley 71) lean CLAY, few fine Sand, trace angular coarse sand.
906										
908										Light gray (Gley 71) lean CLAY, few fine Sand.
910								CL		
912										
914										Light gray (Gley 71) lean CLAY, little fine Sand, few medium sand, trace coarse sand.
916								CL		
918										
920								SP-CL		Light gray (Gley 17) poorly graded SAND with Clay, subangular fine to medium sand, few coarse sand, few clay (15% fines).
922										
924				0				SW-SC		Light gray (7.5 YR 7/1) widely graded SAND with Clay, fine to coarse sand, lignite fragments.
926										
928										
930										Gray (Gley 16/) clayey SAND, subangular medium sand, little fine sand, trace coarse sand, little clay.
932										
934										

(Continued Next Page)

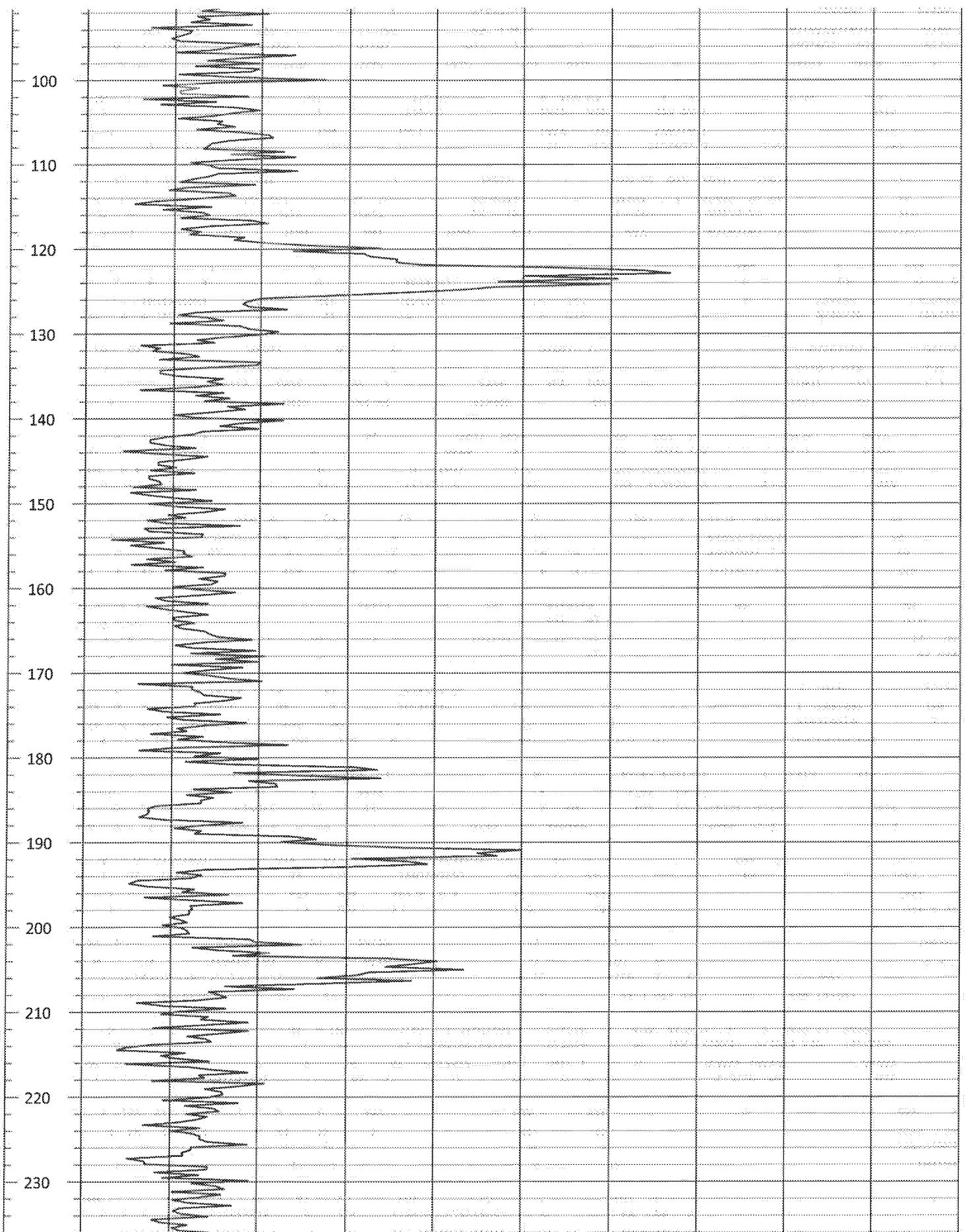
DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
936					Magothy (100-940 ft bgs)	SC		Gray (Gley 16/) clayey SAND, subangular medium sand, little fine sand, trace coarse sand, little clay. (continued)
938					Raritan (940 ft bgs)	CL		Dark gray (10 YR 4/1) sandy CLAY, some fine to medium Sand, trace coarse sand, clay (60% fines).
940			<1 U	<1 U	Raritan (940 ft bgs)	CH		Light gray (10 YR 7/2) fat CLAY.
942		0			Raritan (940 ft bgs)	CH		Gray (10 YR 5/1) fat CLAY.
944					Raritan (940 ft bgs)	CH		Very dark gray (10 YR 3/1) fat CLAY.
946					Raritan (940 ft bgs)	CH		Dark gray (7.5 YR 4/1) fat CLAY with light yellowish brown (10 YR 6/4) mottling.
948					Raritan (940 ft bgs)	CH		Dark gray (7.5 YR 4/1) fat CLAY.
950					Raritan (940 ft bgs)	CH		Gray (5 YR 5/1) fat CLAY with yellowish red (5 YR 4/6) to reddish brown (5 YR 4/4) mottling.
952					Raritan (940 ft bgs)	CH		
954					Raritan (940 ft bgs)	CH		
956					Raritan (940 ft bgs)	CH		
958					Raritan (940 ft bgs)	CH		
960					Raritan (940 ft bgs)	CH		
962		0			Raritan (940 ft bgs)	CH		
964					Raritan (940 ft bgs)	CH		
966					Raritan (940 ft bgs)	CH		
968					Raritan (940 ft bgs)	CH		
970		0			Raritan (940 ft bgs)	CH		
972					Raritan (940 ft bgs)	CH		
974		0			Raritan (940 ft bgs)	CH		
976					Raritan (940 ft bgs)	CH		
978		0			Raritan (940 ft bgs)	CH		Gray (5 YR 5/1) fat CLAY with yellowish red (5 YR 4/6) to reddish brown (5 YR 4/4) mottling.
980								End of boring at 980.0 ft. bgs.

DOWN

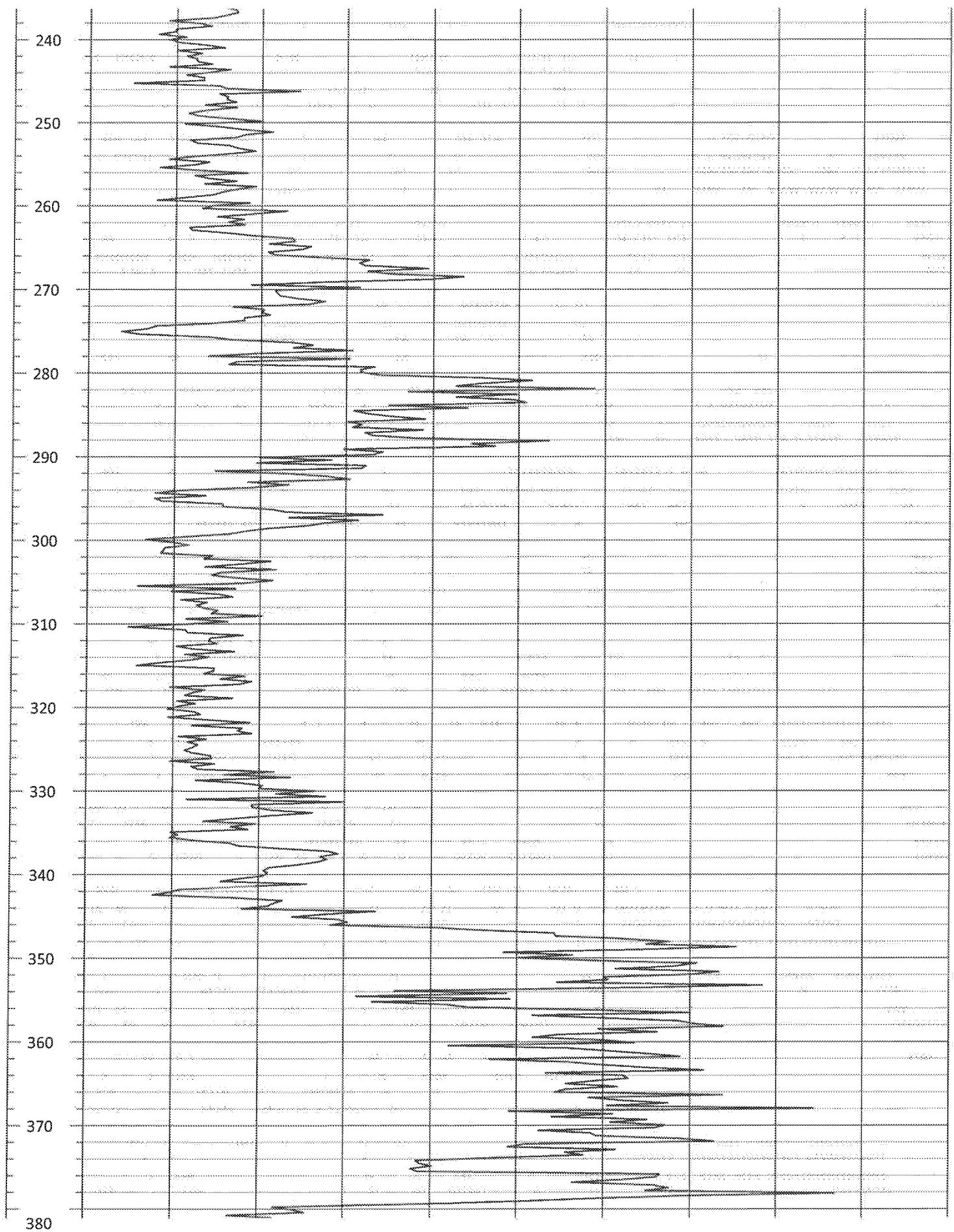
		COMPANY: DELTA WELL & PUMP CO INC
LOCATION: RED MAPLE DR		
Well: VPB-173		Depth Driller: Depth Logger:
Date: 12-10-2018	Time:	Logged by: CMO
File Name: 739		Witness: VAL
Depth (ft.)	0.0	GAMMA (cps) 100.0



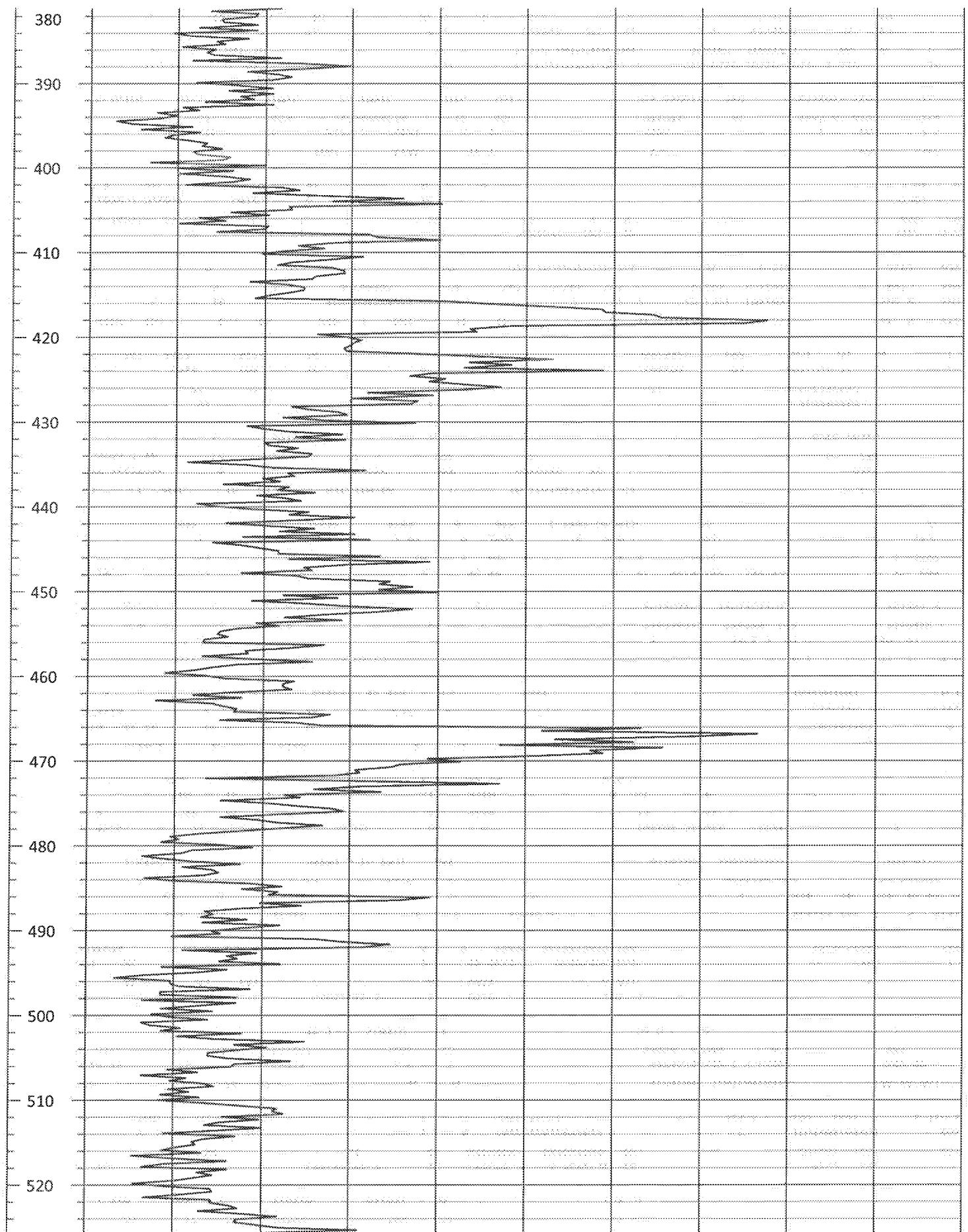
Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



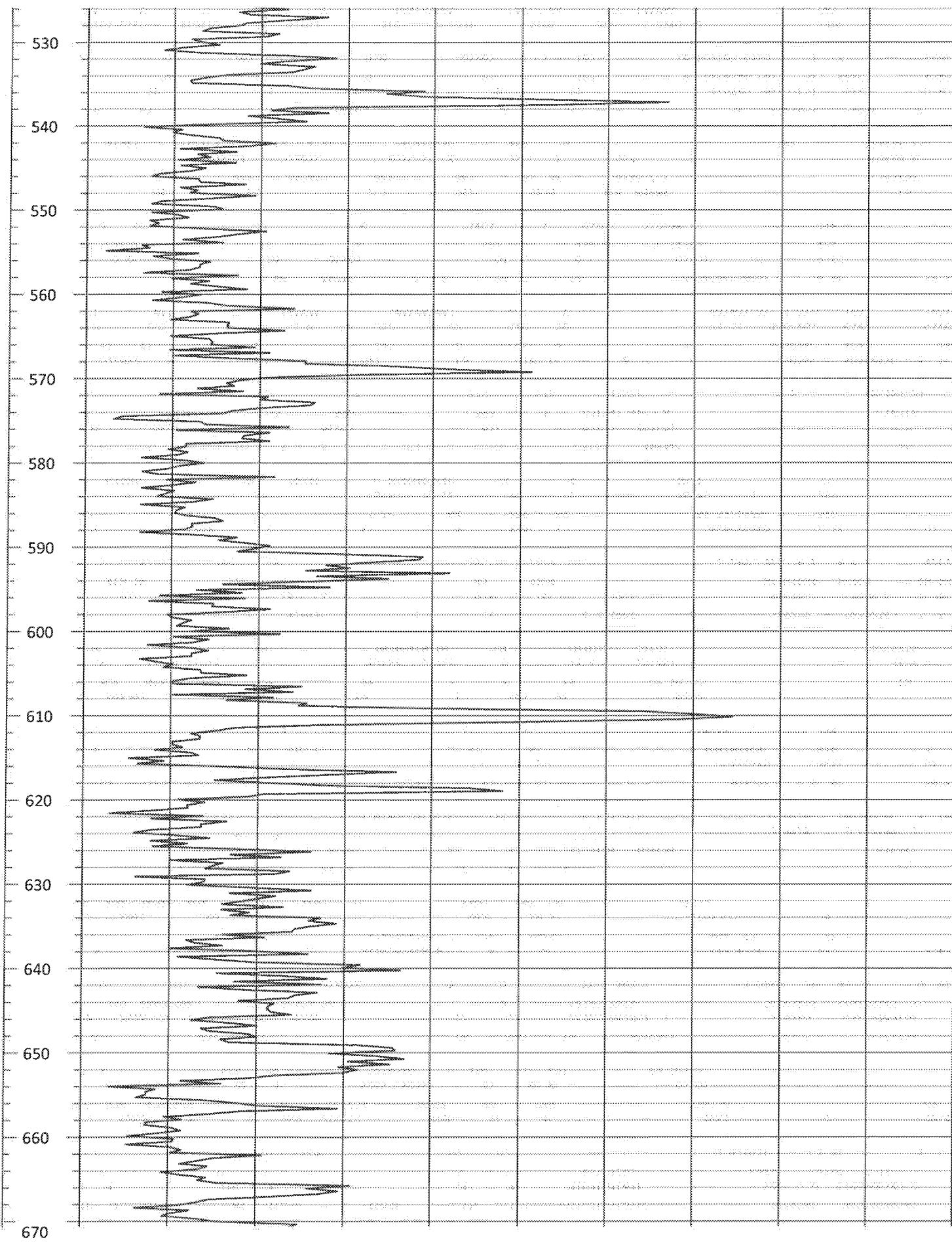
Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



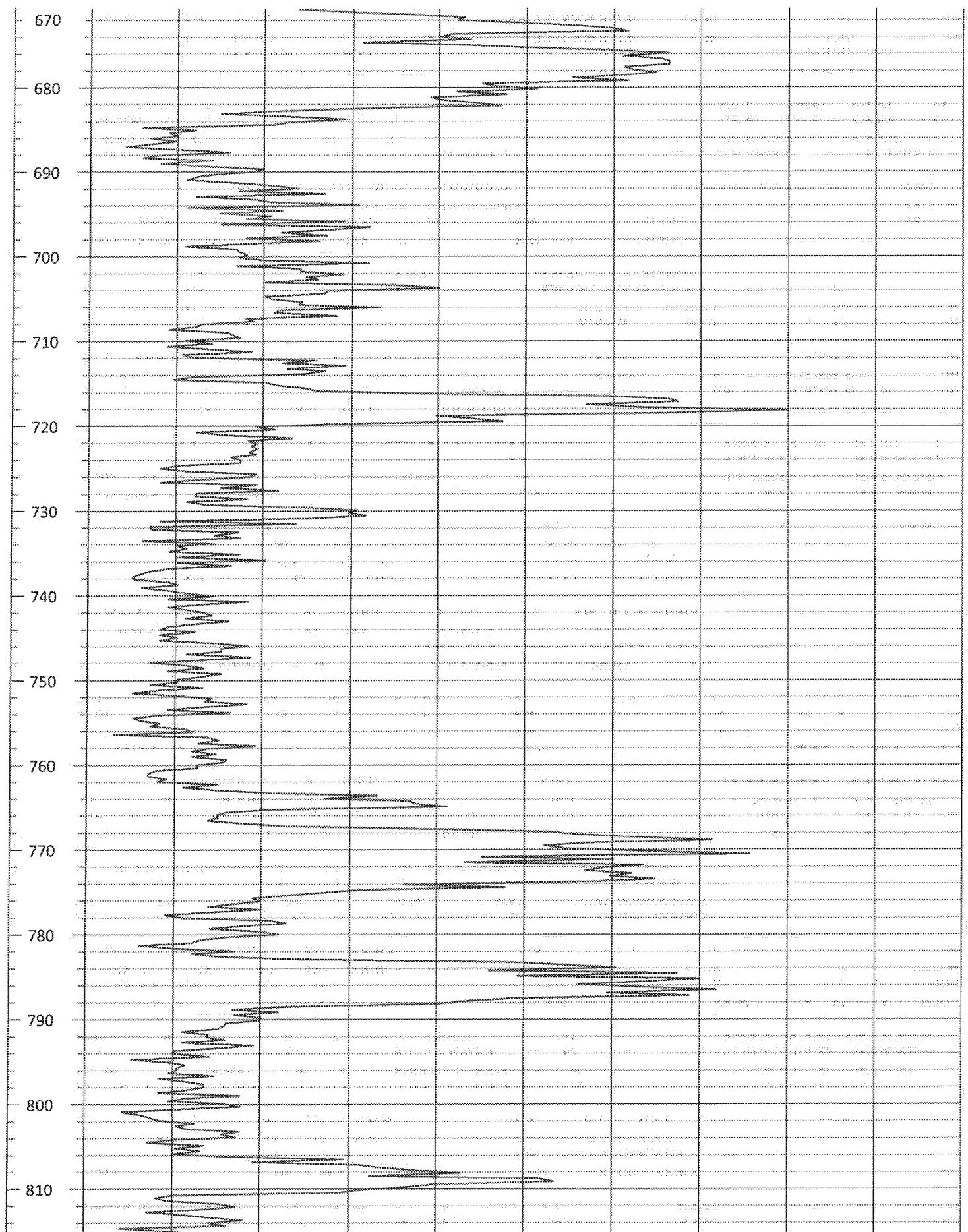
Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



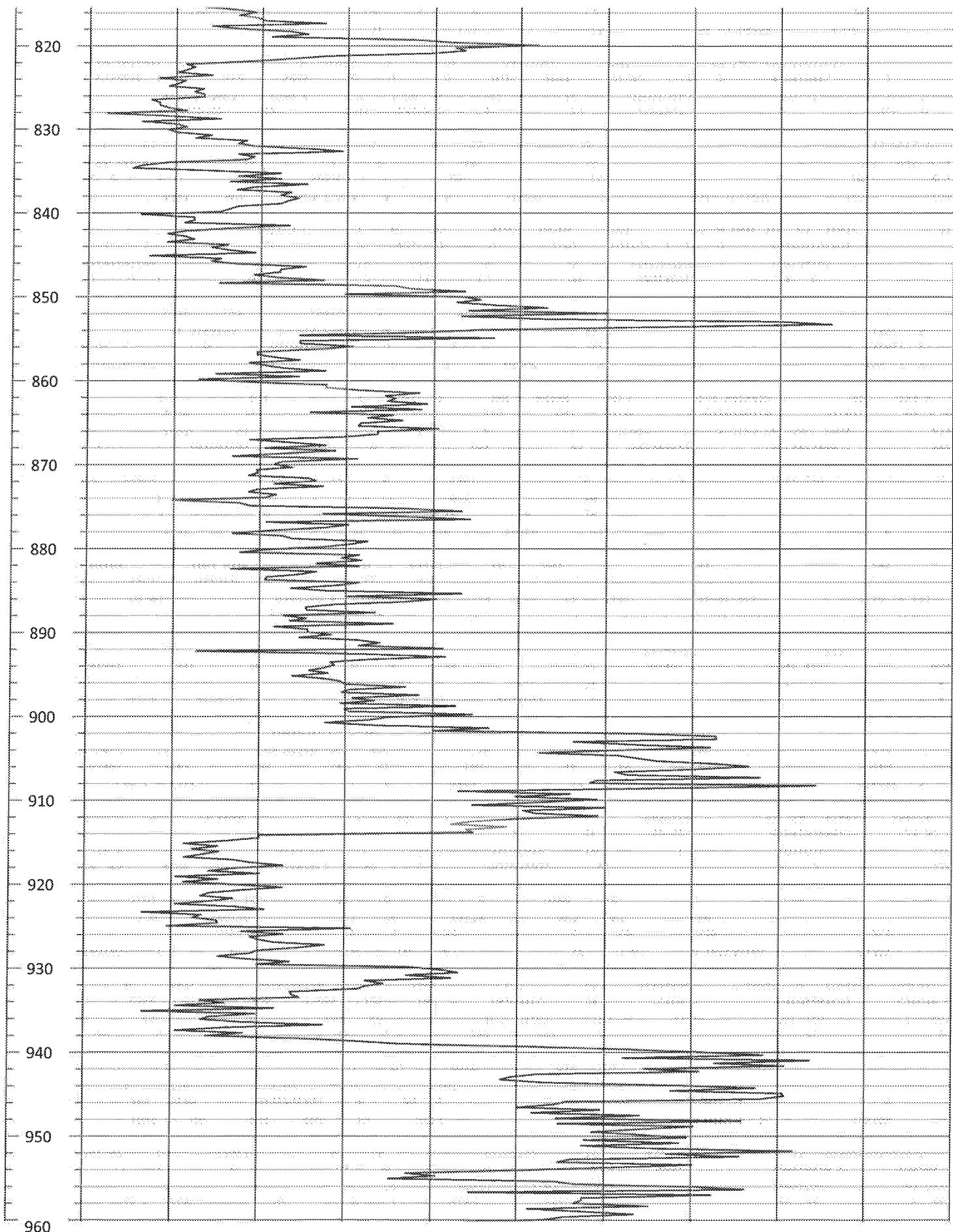
Depth (ft.)	0.0	GAMMA (cps)	100.0



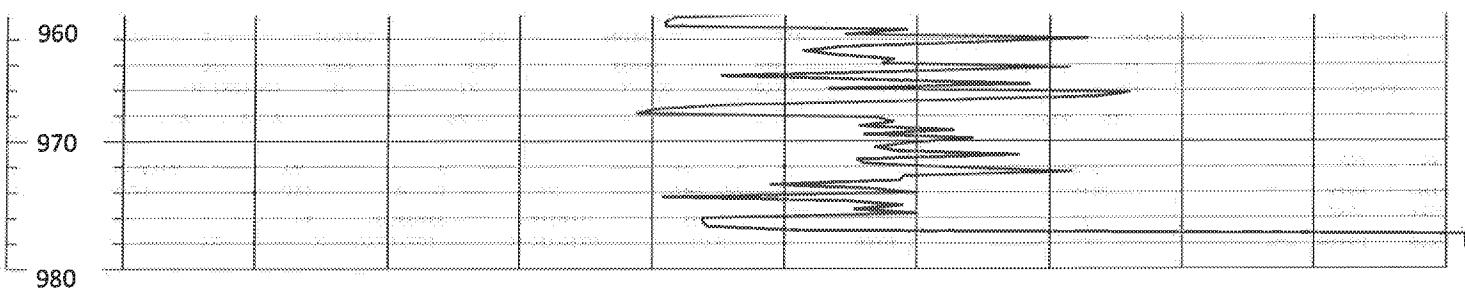
Depth (ft.)	GAMMA (cps)	
0.0	100.0	



Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------



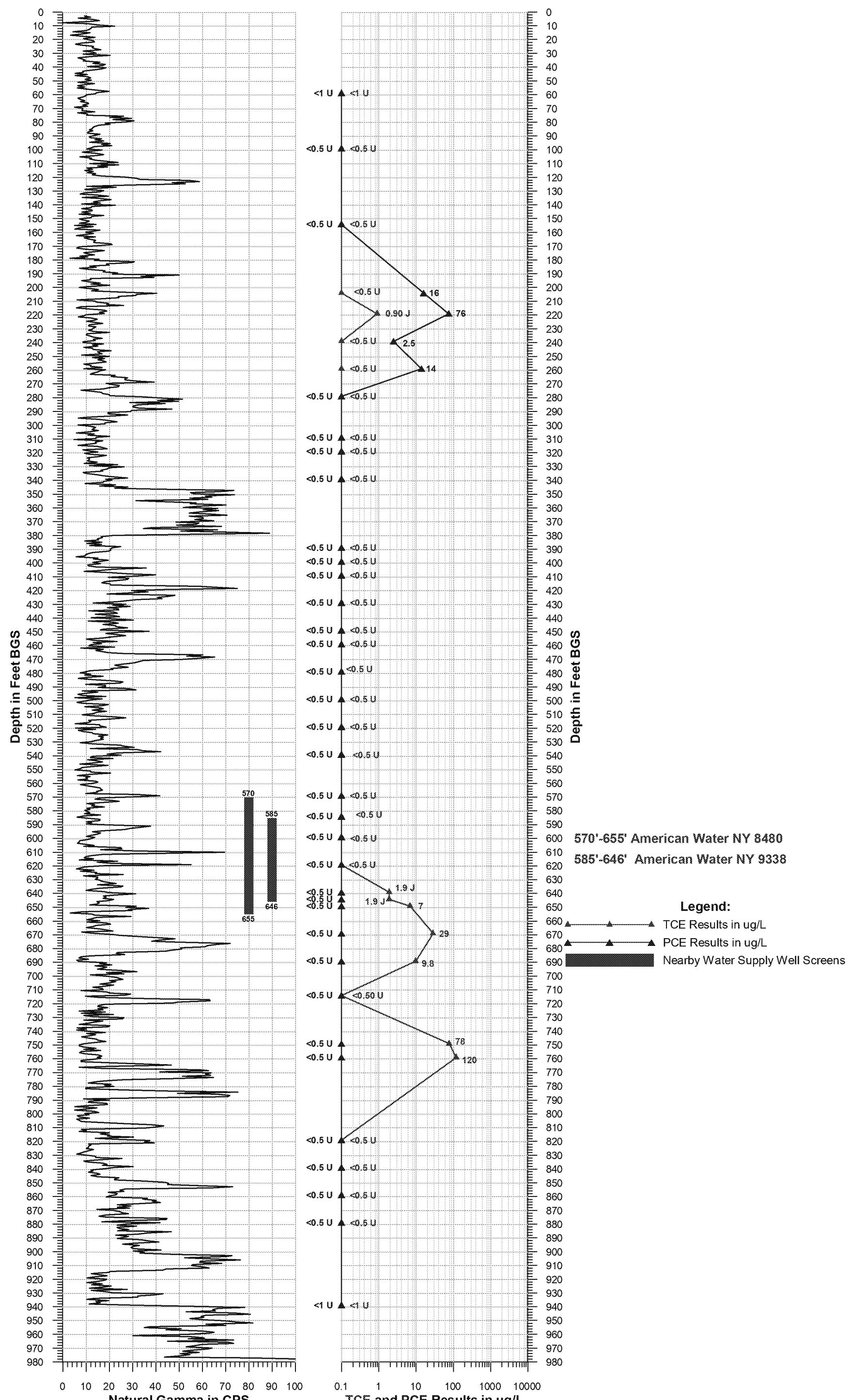
Depth (ft.)	GAMMA (cps)	
0.0	100.0	



Depth (ft.)	0.0	GAMMA (cps)	100.0
-------------	-----	----------------	-------

**Section 2**  
**VPB173 Gamma and PCE/TCE Plot**

**Vertical Profile Boring VPB173**  
**Downward Run - December 10, 2018**  
**Validated Analytical Data**



**Section 3**  
**VPB173 Groundwater Sample Log Sheets**



Client:  
Project No:  
Site Location:  
Weather Conds:

NWIRP - Bethpage  
60266526  
Red MAPLE DRIVE Levittown NY  
variable

Date: Oct 15 - Nov 2, 2018  
VPB: VPB 173  
Collector(s): V Thayer

## Hydropunch Sample

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
Oct 15, 2018	12:30	11.2	7.72	613.4	4.90	-28	out of scale range	58	60	Brown
Oct 16, 2018	10:30	8.9	6.66	748.6	5.08	4.0	877.2	98	100	Clear Light Brown
Oct 22, 2018	10:00			no groundwater recovered				148	150	—
Oct 22, 2018	15:30			< not enough sample for YSI		-2	153	155		clear
Oct 23, 2018	14:15	11.5	6.36	1376.8	14.87	68.5	432.1	203	205	clear
Oct 24, 2018	11:00	7.2	6.93	373.3	3.67	-41.2	525.3	218	220	Brown
Oct 24, 2018	13:15	9.8	6.36	356.9	7.30	-6.2	192.7	238	240	clear
Oct 25, 2018	10:15	6.7	7.00	348.1	5.37	34.0	254.6	258	260	clear
Oct 25, 2018	13:00	6.7	6.16	352.9	3.31	15.6	170.3	278	280	clear
Oct 26, 2018	12:30	8.2	6.25	388	2.06	-34.1	191.9	308	310	clear
Oct 26, 2018	15:00	8.1	6.17	461.4	2.04	-11.1	263.6	318	320	clear gray
Oct 27, 2018	11:45			not enough sample for YSI		415	338	340		
Oct 30, 2018	12:45			no groundwater recovered			393	395		
Oct 30, 2018	14:45			not enough sample for YSI		31.13	388	390		
Oct 31, 2018	10:50	8.2	6.63	390.3	2.64	-54	766.3	398	400	clear pale brown
Oct 31, 2018	13:15	10.8	6.00	239.3	5.08	0.3	200.8	408	410	very pale brown
Nov 1, 2018	11:30	10.9	6.92	1261.3	3.57	-96.9	466.1	428	430	clear pale brown
Nov 1, 2018	14:30	12.6	5.97	89.5	5.37	16.0	off scale	449	450	milk gray color
Nov 2, 2018	10:45	11.9	6.43	126.4	4.68	-22.6	440.9	458	460	Orch
Nov 2, 2018	11:00	12.9	6.65	171.3	0.21	102.8	off scale	478	480	Grey



Page 2 of 3

Client:  
Project No:  
Site Location:  
Weather Conds:

NWIRP - Bethpage  
60266526  
Red Maple Dr., Levittown NY  
Variable

Date: Nov 5 - Nov 20, 2018  
VPB: 173  
Collector(s): V Mayer

## Hydropunch Sample

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
Nov 5, 2018	11:30	8.4	6.54	164.5	2.56	-37.8	off scale	498	500	cloudy gray
Nov 5, 2018	14:15	9.5	7.11	122.2	0.35	-149.5	off scale	518	520	cloudy gray
Nov 6, 2018	11:30	9.8	6.46	8.2	3.33	9.6	off scale	528	540	cloudy gray
Nov 6, 2018	14:30	not enough for VS1 turbidif. yes						550	560	dark gray
Nov 7, 2018	13:30	11.9	7.19	122.1	0.65	-119.8	off scale	568	570	cloudy gray
Nov 8, 2018	10:30	no groundwater recovered						578	580	muddy
Nov 8, 2018	13:00	9.90	6.9	181.4	0.89	-60.7	off scale	583	595	dark gray
Nov 9, 2018	11:00	7.8 <sup>o</sup>	7.02	208.8	2.25	-100.2	off scale	598	600	dark gray
Nov 9, 2018	14:00	8.3	6.61	163	2.72	-93.2	off scale	618	620	milky gray
Nov 12, 2018	12:15	8.3	7.26	140.9	1.09	-74.0	off scale	638	640	milky gray
Nov 12, 2018	14:00	8.8	6.49	165.3	4.35	-23.4	134.3	643	645	light brownish gray
Nov 13, 2018	12:15	9.6	7.05	126.3	5.25	-7.4	604.6	648	650	cloudy light brown
Nov 13, 2018	14:30	Hydropunch dry				→	658	660		
Nov 14, 2018	11:00	6.6	7.39	1495.9	0.06	-162.2	off scale	668	670	brownish gray
Nov 14, 2018	15:15	5.8	6.80	113.4	9.86	-68.5	675.3	698	690	light brown
Nov 15, 2018	13:30	5.5	6.67	144.7	4.80	-40.8	off scale	713	715	light brown
Nov 16, 2018	14:30	Hydropunch dry				→	738	740	gray	
Nov 17, 2018	11:30	10.1	6.93	1299	2.68	-17.2	off scale	748	750	pale brown
Nov 19, 2018	14:15	9.1	6.46	109.8	8.99	-0.7	1095	758	760	light brown
Nov 20, 2018	13:15	no groundwater recovered				—	783	785	sludge	



Page 3 of 3

## Hydropunch Sample

Client: NWIRP - Bethpage  
Project No: 60266526  
Site Location: Red Maple Dr., Levittown NY  
Weather Conds: Rainy

Date : Nov 21 - Dec 5, 2018  
VPB: 173  
Collector(s): J. Haeger

## **Section 4**

### **VPB173 Analytical Data Validation**

- Analytical Data Sheets
- Chain of Custody Records
- Validation Letter and Table

**DATA VALIDATION REPORT**

Project: Regional Groundwater Investigation — NWIRP Bethpage

Laboratory: Katahdin Analytical

Sample Delivery Group: BETHPAGE VPB173

Analyses/Method: Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C and Total Organic Carbon (TOC) by U.S. EPA SW-846 Method 9060A

Validation Level: Stage 3 Validation Electronic and Manual

Prepared by: Dana Miller/Resolution Consultants      Completed on: 07/20/2019

**SUMMARY**

This report summarizes data review findings for the vertical profile boring (VPB) 173 (samples listed below) collected by Resolution Consultants from the Regional Groundwater Investigation — Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Site on 15 October to 5 December 2018 in accordance with the following Uniform Federal Policy (UFP) Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York.* (Resolution Consultants August 2014).

Sample Identification	Matrix/Sample Type	Analysis
VPB173-GW-101518-58-60'	Groundwater	8260C
VPB173-TB1-101518	Trip blank	8260C
VPB173-GW-101618-98-100'	Groundwater	8260C
VPB173-TB02-102218	Trip blank	8260C
VPB173-GW-102218-153-155	Groundwater	8260C
VPB173-GW-102318-203-205	Groundwater	8260C
VPB173-TB03-102418	Trip blank	8260C
VPB173-GW-102418-218-220	Groundwater	8260C
VPB173-GW-102418-238-240	Groundwater	8260C
VPB173-GW-102518-258-260	Groundwater	8260C
VPB173-GW-102518-278-280	Groundwater	8260C

RESOLUTION  
CONSULTANTS

## Data Validation Report — Sample Delivery Group BETHPAGE VPB173

Sample Identification	Matrix/Sample Type	Analysis
VPB173-TB04-102618	Trip blank	8260C
VPB173-GW-102618-308-310	Groundwater	8260C
VPB173-FD-GW-102618	Field duplicate	8260C
VPB173-GW-102618-318-320	Groundwater	8260C
VPB173-GW-102918-338-340	Groundwater	8260C
VPB173-TB05-102918	Trip blank	8260C
VPB173-GW-103018-388-390	Groundwater	8260C
VPB173-GW-103118-408-410	Groundwater	8260C
VPB173-GW-103118-398-400	Groundwater	8260C
VPB173-TB06-110118	Trip blank	8260C
VPB173-GW-110118(428-430)	Groundwater	8260C
VPB173-EB-110118(428-430)	Equipment blank	8260C
VPB173-GW-110118(448-450)	Groundwater	8260C
VPB173-TB07-110218	Trip blank	8260C
VPB173-GW-110218-478-480	Groundwater	8260C
VPB173-GW-110218-458-460	Groundwater	8260C
VPB173-GW-110518-518-520	Groundwater	8260C
VPB173-GW-110518-498-500	Groundwater	8260C
VPB173-TB08-110618	Trip blank	8260C
VPB173-GW-110618-538-540	Groundwater	8260C
VPB173-GW-110718-568-570	Groundwater	8260C
VPB173-SOIL-110618-543-545	Soil	9060A
VPB173-SOIL-FD-110618	Field duplicate	9060A
VPB173-EB-110618-543-545	Equipment blank	9060A
VPB173-TB09-110818	Trip blank	8260C
VPB173-GW-110818-583-585	Groundwater	8260C
VPB173-TB10-110918	Trip blank	8260C
VPB173-GW-110918-598-600	Groundwater	8260C
VPB173-EB-110918-598-600	Equipment blank	8260C
VPB173-GW-110918-618-620	Groundwater	8260C
VPB173-GW-111218-638-640	Groundwater	8260C
VPB173-GW-111218-643-645	Groundwater	8260C
VPB173-TB11-111318	Trip blank	8260C
VPB173-FD-111318	Field duplicate	8260C
VPB173-GW-111318-648-650	Groundwater	8260C
VPB173-GW-111418-668-670	Groundwater	8260C
VPB173-GW-111418-688-690	Groundwater	8260C
VPB173-TB12-111518	Trip blank	8260C



Sample Identification	Matrix/Sample Type	Analysis
VPB173-GW-111518-713-715	Groundwater	8260C
VPB173-TB13-111918	Trip blank	8260C
VPB173-GW-111918-748-750	Groundwater	8260C
VPB173-GW-111918-758-760	Groundwater	8260C
VPB173-GW-FB-112018	Field blank	8260C
VPB173-TB14-112718	Trip blank	8260C
VPB173-GW-112718-818-820	Groundwater	8260C
VPB173-GW-112918-858-860	Groundwater	8260C
VPB173-GW-112918-838-840	Groundwater	8260C
VPB173-TB16-113018	Trip blank	8260C
VPB173-GW-113018-878-880	Groundwater	8260C
VPB173-TB-120518	Trip blank	8260C
VPB173-GW-120518-938-940	Groundwater	8260C

**Note:**

SIM = Selective Ion Monitoring

Data validation activities were conducted using the following guidance documents: *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 8260C, Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry* (U.S. EPA 2006), *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 9060A, National Functional Guidelines for Superfund Organic Methods Data Review* (U.S. EPA January 2017), *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (U.S. EPA January 2009), *Department of Defense (DoD) General Data Validation Guidelines* (DoD February 2018), and *DoD Quality Systems Manual for Environmental Laboratories*, Version 4.2 (DoD October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements, and/or professional judgment were used as appropriate.

**REVIEW ELEMENTS**

The data were evaluated based on the following parameters (where applicable to the method):

- ✓ Data completeness (chain-of-custody)/sample integrity
- ✓ Holding times and sample preservation
- ✓ Gas chromatography/Mass spectrometer performance checks
- ✓ Initial calibration /initial calibration verification /continuing calibration verification
- ✗ Laboratory blanks/field blanks/trip blanks

RESOLUTION  
CONSULTANTS

- Surrogate spike recovery
- Matrix spike and/or matrix spike duplicate result
- Laboratory control sample /laboratory control sample duplicate result
- Field duplicate
- Internal standard
- Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. Acceptable data parameters for which all criteria were met, no qualification was performed, and/or non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further. The symbol (X) indicates that a QC non-conformance resulted in the qualification of data. Any QC non-conformance that resulted in the qualification of data is discussed below.

## RESULTS

### Surrogate Spike Recovery

Surrogates provide information needed to assess the accuracy of analyses. Known amounts of surrogate compounds, which are not likely to be found in the actual samples, are added to each organic sample to check for accuracy. If surrogate percent recoveries (%Rs) are close to the known concentrations, the reported target compound concentrations are assumed to be accurate. Data qualification on the basis of surrogate recovery was as follows:

### Surrogate Spike Recovery Non-Conformance Chart:

Criteria	Action	
	Detected	Non-Detected
Lower Limit $\leq$ %R or RPD $\leq$ Upper Limit	No qualification	No qualification
% R > Upper Limit	J	No qualification
20% $<$ %R $<$ Lower Limit	J	UJ
% R < 20%	J	Rejected

#### Notes:

%R = Percent recovery                          RPD = Relative percent difference  
J = Estimated value                              UJ = Undetected and estimated

### Laboratory Blanks/Field Blanks/Trip Blanks

Laboratory blanks, field blanks, and trip blanks were analyzed with samples to assess contamination imparted by sample preparation and/or analysis. All results associated with a particular blank were

evaluated to determine whether there was an inherent variability in the data, or if a problem was an isolated occurrence that did not affect the data. Samples were flagged in accordance with *Functional Guidelines* (shown below) where detections were not believed to be site-related.

### **Blank Non-Conformance Chart:**

<b>Blank type</b>	<b>Blank result</b>	<b>Sample result</b>	<b>Action</b>
		<b>Not Detected</b>	<b>No Qualification</b>
Method, Storage, Trip, Field, or Equipment	$\leq$ LOQ	< LOQ	Report sample at LOQ and qualify as non-detect (U)
		$\geq$ LOQ or $\geq$ 2x Blank Result for Methylene chloride, Acetone, and 2-Butanone	Use professional judgement
	$\geq$ LOQ	< LOQ	Report sample at LOQ and qualify as non-detect (U)
		$\geq$ LOD but < Blank Result	Report at sample result and qualify as non-detect (U) or reject the sample result as unusable (R)
		$\geq$ LOQ and $\geq$ Blank Result or 2x Blank Result for Methylene chloride, Acetone, and 2-Butanone	Use professional judgement
	Gross Contamination	Detect	Report at sample result and qualify as unusable (R)

**Notes:**

LOQ = Limit of quantitation  
 U = Undetected  
 R = Rejected

### **Laboratory Control Samples / Laboratory Control Sample Duplicate**

LCS %Rs is used to monitor the overall accuracy and performance of each step during analysis, including sample preparation. The laboratory analyzed LCSs in duplicate when matrix spike/matrix spike duplicates were not reported. In these instances, the laboratory determined precision between the duplicated values. Data qualification to the analytes associated with the specific LCS/LCS duplicate was as follows:

### **Laboratory Control Sample / Laboratory Control Sample Duplicate Non-conformance Chart:**



Criteria	Action	
	Detected	Non-detected
% R or RPD > UL	J	No qualification
%R < LL	J	UJ
%R < 20%	J	Rejected

**Notes:**

%R = Percent recovery  
RPD = Relative percent difference  
UL = Upper limit  
LL = Lower limit  
J = Estimated  
UJ = Undetected and estimated

**Qualifications Actions**

The data were reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation but greater than the method detection limit were qualified by the laboratory as estimated (J). This "J" qualifier was retained during data validation. Any sample that was analyzed at a dilution because of high concentrations of target or non-target analytes was checked to confirm that the results and/or sample-specific limit of quantitation and limit of detections were adjusted accordingly by the laboratory.

No results were rejected; therefore, analytical completeness was calculated to be 100 percent. Data not qualified during data review are considered usable by the project. The remaining results qualified as estimated may be high or low, but the data are usable for their intended purpose, according to U.S. EPA and Department of Defense guidelines. Final data review qualifiers used to describe results and how they should be interpreted by the end data user are provided in Attachment A and Attachment B. Attachment C provides results qualified during data review. Attachment D provides final results after data review.

**ATTACHMENTS**

- Attachment A: Qualifier Codes and Explanations
- Attachment B: Reason Codes and Explanations
- Attachment C: Results Qualified during Data Review
- Attachment D: Final Results after Data Review

**Attachment A**  
**Qualifier Codes and Explanations**

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual quantitation limit necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

**Attachment B**  
**Reason Codes and Explanations**

<b>Reason Code</b>	<b>Explanation</b>
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
bm	Missing blank information
bt	Trip blank contamination
c	Calibration issue
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
e	Ether interference
ej	Above calibration range; result estimated.
f	Presumed contamination from FB or ER.
fd	Field duplicate RPDs
h	Holding times
hs	Headspace greater than 6mm in all sample vials
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
it	Instrument tune
k	Estimated maximum possible concentrations (EMPC)
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Deviation from the method
md	MS/MSD RPDs
nb	Negative laboratory blank contamination
p	Chemical preservation issue
p-h	Uncertainty near detection limit (< Reporting Limit), historical reason code applied.
pe	Post Extraction Spike
q	Quantitation issue
r	Dual column RPD
rt	SIM ions not within + 2 seconds
s	Surrogate recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
x	Low % solids
y	Serial dilution results
z	ICS results

**Attachment C**  
**Final Results qualified during Data Review**

**Attachment C**  
**Results Qualified during Data Review**

SDG	Sample Id	Lab ID	Sample Date	Dilution Factor	Analyte	Result	Units	Lab Qualifiers	Validator Qualifiers	Final Qualifiers	RC
TL0539	VPB173-GW-102418-238-240	TL0539-3	10/24/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	I
TL0539	VPB173-GW-102518-258-260	TL0539-4	10/25/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	I
TL0539	VPB173-GW-102518-258-260	TL0539-4	10/25/2018	1	ISOPROPYLBENZENE	0.5	UG_L	ULMM	J	UJ	I
TL0907	VPB173-GW-110218-458-460	TL0907-3	11/2/2018	1	ACETONE	2.5	UG_L		U	U	bt
TL0907	VPB173-GW-110218-478-480	TL0907-2	11/2/2018	1	ACETONE	2.5	UG_L		U	U	bt
TL1224	VPB173-GW-111218-643-645	TL1224-6	11/12/2018	1	TRICHLOROETHENE	1.9	UG_L		J	J	s
TL2150	VPB173-GW-120518-938-940	TL2150-2DL	12/5/2018	2	1,2-DICHLOROETHENE, TOTAL	2	UG_L	UL	J	UJ	I
TL2150	VPB173-TB-120518	TL2150-1	12/5/2018	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	UL	J	UJ	I
TL0539	VPB173-GW-102518-278-280	TL0539-5	10/25/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	I
TL0539	VPB173-GW-102518-278-280	TL0539-5	10/25/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	I
TL0907	VPB173-GW-110518-498-500	TL0907-5	11/5/2018	1	ACETONE	2.5	UG_L		U	U	bt
TL0907	VPB173-GW-110518-518-520	TL0907-4	11/5/2018	1	ACETONE	2.5	UG_L		U	U	bt
TL0907	VPB173-GW-110518-518-520	TL0907-4	11/5/2018	1	CHLOROMETHANE	1	UG_L	J	J	J	s
TL0417	VPB173-TB02-102218	TL0417-1	10/22/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	I
TL0417	VPB173-TB02-102218	TL0417-1	10/22/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	I
TL0539	VPB173-TB03-102418	TL0539-1	10/24/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	I
TL1055	VPB173-GW-110618-538-540	TL1055-2	11/6/2018	1	ACETONE	3.3	UG_L	J	J	J	s
TL0539	VPB173-TB03-102418	TL0539-1	10/24/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	I
TL1108	VPB173-GW-110818-583-585	TL1108-2	11/8/2018	1	ACETONE	4.4	UG_L	J	J	J	s
TL0417	VPB173-GW-102218-153-155	TL0417-2	10/22/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	I
TL0417	VPB173-GW-102218-153-155	TL0417-2	10/22/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	I
TL0417	VPB173-GW-102318-203-205	TL0417-3	10/23/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	I
TL1224	VPB173-GW-110918-598-600	TL1224-2	11/9/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL1224	VPB173-GW-110918-618-620	TL1224-4	11/9/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL0417	VPB173-GW-102318-203-205	TL0417-3	10/23/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	I
TL0539	VPB173-GW-102418-218-220	TL0539-2	10/24/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	I
TL0539	VPB173-GW-102418-218-220	TL0539-2	10/24/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	I
TL0539	VPB173-GW-102418-238-240	TL0539-3	10/24/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	I
TL0811	VPB173-GW-110118(428-430)	TL0811-2	11/1/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL0811	VPB173-GW-110118(448-450)	TL0811-4	11/1/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL1224	VPB173-GW-111218-638-640	TL1224-5	11/12/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL1224	VPB173-GW-111218-638-640	TL1224-5	11/12/2018	1	TRICHLOROETHENE	1.9	UG_L		J	J	s
TL1224	VPB173-GW-111218-643-645	TL1224-6	11/12/2018	1	ACETONE	2.5	UG_L	J	U	U	be

**Notes:**

See Attachment A for qualifier definition.

See Attachment B for reason code definition.

RC = Reason code

**Attachment D**  
**Final Results after Data Review**

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1055	TL1055	TL1055
				TL1055-4	TL1055-5	TL1055-6
Sample ID				VPB173-SOIL-110618-543-545	VPB173-SOIL-FD-110618	VPB173-EB-110618-543-545
Sample Date				11/6/2018	11/6/2018	11/6/2018
Sample Type				Soil	Soil	Equipment blank
Method	Analyte	CAS No	Units			
2540G	TOTAL SOLIDS	-29	PCT	82	82	NA
9060A	TOTAL ORGANIC CARBON	-28	UG_G	2100	510 J	0.19 J

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0120	TL0120
Lab ID				TL0120-1DL	TL0120-3
Sample ID				VPB173-GW-101518-58-60'	VPB173-GW-101618-98-100'
Sample Date				10/15/2018	10/15/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<1 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<1 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<1 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<1 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<1 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<1 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<1 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<1.5 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<1 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<1 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<1 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<2 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<1 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<1 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<1 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	7.7 J	2.5 J
8260C	BENZENE	71-43-2	UG_L	<1 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<1 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<1 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<2 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<1 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<1 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<1 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<2 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	0.65 J	0.53 J

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0120	TL0120
Lab ID				TL0120-1DL	TL0120-3
Sample ID				VPB173-GW-101518-58-60'	VPB173-GW-101618-98-100'
Sample Date				10/15/2018	10/15/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<2 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<1 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<1 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<1 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.61 J	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<2 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<1 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<1 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<2 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<1.5 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<1 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<1 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<1 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<1 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<1 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<1 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<1 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<1 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<1 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<2 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<2 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<3 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0417	TL0417
Lab ID				TL0417-2	TL0417-3
Sample ID				VPB173-GW-102218-153-155	VPB173-GW-102318-203-205
Sample Date				10/22/2018	10/23/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0417	TL0417
Lab ID				TL0417-2	TL0417-3
Sample ID				VPB173-GW-102218-153-155	VPB173-GW-102318-203-205
Sample Date				10/22/2018	10/23/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 UJ	<1 UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 UJ	<0.5 UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	16
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0539	TL0539
Lab ID				TL0539-2	TL0539-3
Sample ID				VPB173-GW-102418-218-220	VPB173-GW-102418-238-240
Sample Date				10/24/2018	10/24/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	0.42 J	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0539	TL0539
Lab ID				TL0539-2	TL0539-3
Sample ID				VPB173-GW-102418-218-220	VPB173-GW-102418-238-240
Sample Date				10/24/2018	10/24/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 UJ	<1 UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 UJ	<0.5 UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	76	2.5
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.9 J	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0539	TL0539
Lab ID				TL0539-4	TL0539-5
Sample ID				VPB173-GW-102518-258-260	VPB173-GW-102518-278-280
Sample Date				10/25/2018	10/25/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0539	TL0539
Lab ID				TL0539-4	TL0539-5
Sample ID				VPB173-GW-102518-258-260	VPB173-GW-102518-278-280
Sample Date				10/25/2018	10/25/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 UJ	<1 UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 UJ	<0.5 UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	14	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0639	TL0639
Lab ID				TL0639-2	TL0639-3
Sample ID				VPB173-GW-102618-308-310	VPB173-FD-GW-102618
Sample Date				10/26/2018	10/26/2018
Sample Type				Groundwater	Field duplicate
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	3 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0639	TL0639
Lab ID				TL0639-2	TL0639-3
Sample ID				VPB173-GW-102618-308-310	VPB173-FD-GW-102618
Sample Date				10/26/2018	10/26/2018
Sample Type				Groundwater	Field duplicate
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0639	TL0761
Lab ID				TL0639-4	TL0761-1
Sample ID				VPB173-GW-102618-318-320	VPB173-GW-102918-338-340
Sample Date				10/26/2018	10/29/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	2.4 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0639	TL0761
Lab ID				TL0639-4	TL0761-1
Sample ID				VPB173-GW-102618-318-320	VPB173-GW-102918-338-340
Sample Date				10/26/2018	10/29/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0761	TL0761
Lab ID				TL0761-3	TL0761-4
Sample ID				VPB173-GW-103018-388-390	VPB173-GW-103118-408-410
Sample Date				10/30/2018	10/31/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	2.4 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0761	TL0761
Lab ID				TL0761-3	TL0761-4
Sample ID				VPB173-GW-103018-388-390	VPB173-GW-103118-408-410
Sample Date				10/30/2018	10/31/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0761	TL0811
Lab ID				TL0761-5	TL0811-2
Sample ID				VPB173-GW-103118-398-400	VPB173-GW-110118(428-430)
Sample Date				10/31/2018	11/1/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	3 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0761	TL0811
Lab ID				TL0761-5	TL0811-2
Sample ID				VPB173-GW-103118-398-400	VPB173-GW-110118(428-430)
Sample Date				10/31/2018	11/1/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0811	TL0907
Lab ID				TL0811-4	TL0907-2
Sample ID				VPB173-GW-110118(448-450)	VPB173-GW-110218-478-480
Sample Date				11/1/2018	11/2/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0811	TL0907
Lab ID				TL0811-4	TL0907-2
Sample ID				VPB173-GW-110118(448-450)	VPB173-GW-110218-478-480
Sample Date				11/1/2018	11/2/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0907	TL0907
Lab ID				TL0907-3	TL0907-4
Sample ID				VPB173-GW-110218-458-460	VPB173-GW-110518-518-520
Sample Date				11/2/2018	11/5/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0907	TL0907
Lab ID				TL0907-3	TL0907-4
Sample ID				VPB173-GW-110218-458-460	VPB173-GW-110518-518-520
Sample Date				11/2/2018	11/5/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	1 J
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0907	TL1055
Lab ID				TL0907-5	TL1055-2
Sample ID				VPB173-GW-110518-498-500	VPB173-GW-110618-538-540
Sample Date				11/5/2018	11/6/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	3.3 J
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0907	TL1055
Lab ID				TL0907-5	TL1055-2
Sample ID				VPB173-GW-110518-498-500	VPB173-GW-110618-538-540
Sample Date				11/5/2018	11/6/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1055	TL1108
Lab ID				TL1055-3RA	TL1108-2
Sample ID				VPB173-GW-110718-568-570	VPB173-GW-110818-583-585
Sample Date				11/6/2018	11/8/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	8.9	4.4 J
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.91 J	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1055	TL1108
Lab ID				TL1055-3RA	TL1108-2
Sample ID				VPB173-GW-110718-568-570	VPB173-GW-110818-583-585
Sample Date				11/6/2018	11/8/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	0.69 J	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

				Sample Delivery Group	TL1224	TL1224
				Lab ID	TL1224-2	TL1224-4
				Sample ID	VPB173-GW-110918-598-600	VPB173-GW-110918-618-620
				Sample Date	11/9/2018	11/9/2018
				Sample Type	Groundwater	Groundwater
Method	Analyte	CAS No	Units			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.33 J	<0.5 U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1224	TL1224
Lab ID				TL1224-2	TL1224-4
Sample ID				VPB173-GW-110918-598-600	VPB173-GW-110918-618-620
Sample Date				11/9/2018	11/9/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	0.62 J	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1224	TL1224
Lab ID				TL1224-5	TL1224-6
Sample ID				VPB173-GW-111218-638-640	VPB173-GW-111218-643-645
Sample Date				11/12/2018	11/12/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1224	TL1224
Lab ID				TL1224-5	TL1224-6
Sample ID				VPB173-GW-111218-638-640	VPB173-GW-111218-643-645
Sample Date				11/12/2018	11/12/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.9 J	1.9 J
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1373	TL1373
Lab ID				TL1373-2RA	TL1373-3RA
Sample ID				VPB173-FD-111318	VPB173-GW-111318-648-650
Sample Date				11/13/2018	11/13/2018
Sample Type				Field duplicate	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.5	1.6
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1373	TL1373
Lab ID				TL1373-2RA	TL1373-3RA
Sample ID				VPB173-FD-111318	VPB173-GW-111318-648-650
Sample Date				11/13/2018	11/13/2018
Sample Type				Field duplicate	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	7.1	7
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1373	TL1373
Lab ID				TL1373-4RA	TL1373-5RA
Sample ID				VPB173-GW-111418-668-670	VPB173-GW-111418-688-690
Sample Date				11/14/2018	11/14/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.57 J	1.1
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.47 J	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	3.2 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.6	1.5
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	0.39 J	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1373	TL1373
Lab ID				TL1373-4RA	TL1373-5RA
Sample ID				VPB173-GW-111418-668-670	VPB173-GW-111418-688-690
Sample Date				11/14/2018	11/14/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.47 J	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	29	9.8
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

				Sample Delivery Group Lab ID	TL1418 TL1418-2	TL1564 TL1564-2
				Sample ID	VPB173-GW-111518-713-715	VPB173-GW-111918-748-750
				Sample Date	11/15/2018	11/19/2018
				Sample Type	Groundwater	Groundwater
Method	Analyte	CAS No	Units			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	0.61 J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	0.6 J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	0.7 J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	
8260C	ACETONE	67-64-1	UG_L	4.4 J	<2.5 U	
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.71 J	<0.5 U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	0.73 J	
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1418	TL1564
Lab ID				TL1418-2	TL1564-2
Sample ID				VPB173-GW-111518-713-715	VPB173-GW-111918-748-750
Sample Date				11/15/2018	11/19/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	0.7 J
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	78
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1564	TL1730
Lab ID				TL1564-3	TL1730-2
Sample ID				VPB173-GW-111918-758-760	VPB173-GW-112718-818-820
Sample Date				11/19/2018	11/27/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.84 J	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.55 J	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.69 J	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.91 J	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.1	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1564	TL1730
Lab ID				TL1564-3	TL1730-2
Sample ID				VPB173-GW-111918-758-760	VPB173-GW-112718-818-820
Sample Date				11/19/2018	11/27/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.91 J	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	120	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

				Sample Delivery Group	TL1846	TL1846
				Lab ID	TL1846-2	TL1846-3
				Sample ID	VPB173-GW-112918-858-860	VPB173-GW-112918-838-840
				Sample Date	11/29/2018	11/29/2018
				Sample Type	Groundwater	Groundwater
Method	Analyte	CAS No	Units			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	
8260C	ACETONE	67-64-1	UG_L	3.7 J	<2.5 U	
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.61 J	<0.5 U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1846	TL1846
Lab ID				TL1846-2	TL1846-3
Sample ID				VPB173-GW-112918-858-860	VPB173-GW-112918-838-840
Sample Date				11/29/2018	11/29/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	0.4 J	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL2010	TL2150
Lab ID				TL2010-2	TL2150-2DL
Sample ID				VPB173-GW-113018-878-880	VPB173-GW-120518-938-940
Sample Date				11/30/2018	12/5/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<1 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<1 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<1 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<1 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<1 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<1 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<1 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<1.5 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<1 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<1 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<1 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<2 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<1 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<1 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<1 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	7.7 J
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<1 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<1 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<1 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<2 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	0.57 J
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<1 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<1 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<2 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<1 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL2010	TL2150
Lab ID				TL2010-2	TL2150-2DL
Sample ID				VPB173-GW-113018-878-880	VPB173-GW-120518-938-940
Sample Date				11/30/2018	12/5/2018
Sample Type				Groundwater	Groundwater
Method	Analyte	CAS No	Units		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<2 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<1 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<1 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<1 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<1 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<2 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<1 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<1 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<2 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<1.5 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<1 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<1 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<1 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<1 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<1 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<1 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<1 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<1 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<1 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<2 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<2 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<3 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0120	TL0417	TL0539
Lab ID				TL0120-2	TL0417-1	TL0539-1
Sample ID				VPB173-TB1-101518	VPB173-TB02-102218	VPB173-TB03-102418
Sample Date				10/15/2018	10/22/2018	10/24/2018
Sample Type				Trip blank	Trip blank	Trip blank
Method	Analyte	CAS No	Units			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

		Sample Delivery Group	TL0120	TL0417	TL0539
		Lab ID	TL0120-2	TL0417-1	TL0539-1
		Sample ID	VPB173-TB1-101518	VPB173-TB02-102218	VPB173-TB03-102418
		Sample Date	10/15/2018	10/22/2018	10/24/2018
		Sample Type	Trip blank	Trip blank	Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0639	TL0761	TL0811
Lab ID				TL0639-1	TL0761-2	TL0811-1
Sample ID				VPB173-TB04-102618	VPB173-TP05-102918	VPB173-TB06-110118
Sample Date				10/26/2018	10/29/2018	11/1/2018
Sample Type				Trip blank	Trip blank	Trip blank
Method	Analyte	CAS No	Units			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0639	TL0761	TL0811
	Lab ID	Sample ID	Sample Date	TL0639-1	TL0761-2	TL0811-1
		Sample Type		VPB173-TB04-102618	VPB173-TP05-102918	VPB173-TB06-110118
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0811	TL0907	TL1055
Lab ID				TL0811-3	TL0907-1	TL1055-1
Sample ID				VPB173-EB-110118(428-430)	VPB173-TB07-110218	VPB173-TB08-110618
Sample Date				11/1/2018	11/2/2018	11/6/2018
Sample Type				Equipment blank	Trip blank	Trip blank
Method	Analyte	CAS No	Units			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	2.6 J	5.7	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL0811	TL0907	TL1055
	Lab ID	Sample ID	Sample Date	TL0811-3 VPB173-EB-110118(428-430) 11/1/2018 Equipment blank	TL0907-1 VPB173-TB07-110218 11/2/2018 Trip blank	TL1055-1 VPB173-TB08-110618 11/6/2018 Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1108	TL1224	TL1224
Lab ID				TL1108-1	TL1224-1	TL1224-3
Sample ID				VPB173-TB09-110818	VPB173-TB10-110918	VPB173-EB-110918-598-600
Sample Date				11/8/2018	11/9/2018	11/9/2018
Sample Type				Trip blank	Trip blank	Equipment blank
Method	Analyte	CAS No	Units			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	1.5 J
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	5.9
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1108	TL1224	TL1224
	Lab ID	Sample ID	Sample Date	TL1108-1	TL1224-1	TL1224-3
		Sample Type		VPB173-TB09-110818	VPB173-TB10-110918	VPB173-EB-110918-598-600
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1373	TL1418	TL1564
Lab ID				TL1373-1RA	TL1418-1	TL1564-1
Sample ID				VPB173-TB11-111318	VPB173-TB12-111518	VPB173-TB13-111918
Sample Date				11/13/2018	11/15/2018	11/19/2018
Sample Type				Trip blank	Trip blank	Trip blank
Method	Analyte	CAS No	Units			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

**Attachment D**  
**Final Results after Data Review**

		Sample Delivery Group	TL1373	TL1418	TL1564
		Lab ID	TL1373-1RA	TL1418-1	TL1564-1
		Sample ID	VPB173-TB11-111318	VPB173-TB12-111518	VPB173-TB13-111918
		Sample Date	11/13/2018	11/15/2018	11/19/2018
		Sample Type	Trip blank	Trip blank	Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1564	TL1730	TL2010		
Method	Analyte	CAS No	Units	Lab ID	Sample ID	Sample Date	Sample Type	TL2010-1
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U	<0.75 U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U	<1 U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U	<1 U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U	<1 U	
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	

**Attachment D**  
**Final Results after Data Review**

Sample Delivery Group				TL1564	TL1730	TL2010
	Lab ID	Sample ID	Sample Date	TL1564-4 VPB173-GW-FB-112018 11/20/2018 Field blank	TL1730-1 VPB173-TB14-112718 11/27/2018 Trip blank	TL2010-1 VPB173-TB16-113018 11/30/2018 Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.48 J	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U	<1.5 U

**Attachment D**  
**Final Results after Data Review**

		<b>Sample Delivery Group</b>	TL2150	
		<b>Lab ID</b>	TL2150-1	
		<b>Sample ID</b>	VPB173-TB-120518	
		<b>Sample Date</b>	12/5/2018	
		<b>Sample Type</b>	Trip blank	
<b>Method</b>	<b>Analyte</b>	<b>CAS No</b>	<b>Units</b>	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 UJ
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U

**Attachment D**  
**Final Results after Data Review**

		<b>Sample Delivery Group</b>	TL2150	
		<b>Lab ID</b>	TL2150-1	
		<b>Sample ID</b>	VPB173-TB-120518	
		<b>Sample Date</b>	12/5/2018	
		<b>Sample Type</b>	Trip blank	
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U

**Section 5**  
**VPB173 Analytical Data Table**

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	10/15/2018	10/15/2018	10/22/2018	10/23/2018
Sample ID		VPB173-GW-101518-58-60	VPB173-GW-101618-98-100	VPB173-GW-102218-153-155	VPB173-GW-102318-203-205
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;1.5 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<2 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<1 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<b>7.7 J</b>	<b>2.5 J</b>	<2.5 U	<2.5 U
BENZENE	1	<1 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<1 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<1 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<2 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<1 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<2 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<b>0.65 J</b>	<b>0.53 J</b>	<0.5 U	<0.5 U
CHLOROMETHANE	5	<2 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;1 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<1 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<b>0.61 J</b>	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<2 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<2 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<1.5 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<1 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<1 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<1 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<b>16</b>
TOLUENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;1 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<2 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<2 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<3 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	10/24/2018	10/24/2018	10/25/2018	10/25/2018
Sample ID		VPB173-GW-102418-218-220	VPB173-GW-102418-238-240	VPB173-GW-102518-258-260	VPB173-GW-102518-278-280
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<b>0.42 J</b>	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 UJ	<1 UJ	<1 UJ	<1 UJ
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<b>76</b>	<b>2.5</b>	<b>14</b>	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<b>0.9 J</b>	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	10/26/2018	10/26/2018	10/26/2018	10/29/2018
Sample ID		VPB173-FD-GW- 102618	VPB173-GW-102618- 308-310	VPB173-GW-102618- 318-320	VPB173-GW-102918- 338-340
Sample type code		FD	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<b>3.3</b>	<b>2.43</b>	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	10/30/2018	10/31/2018	10/31/2018	11/1/2018
Sample ID		VPB173-GW-103018 388-390	VPB173-GW-103118 398-400	VPB173-GW-103118 408-410	VPB173-GW-110118- 428-430
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<b>2.4 J</b>	<b>3 J</b>	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	11/1/2018	11/2/2018	11/2/2018	11/5/2018
Sample ID		VPB173-GW-110118-448-450	VPB173-GW-110218-458-460	VPB173-GW-110218-478-480	VPB173-GW-110518-498-500
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	11/5/2018	11/6/2018	11/6/2018	11/8/2018
Sample ID		VPB173-GW-110518-518-520	VPB173-GW-110618-538-540	VPB173-GW-110718-568-570	VPB173-GW-110818-583-585
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<b>3.3 J</b>	<b>8.9</b>	<b>4.4 J</b>
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<b>0.91 J</b>	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<b>1 J</b>	<1 U	<b>0.69 J</b>	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	11/9/2018	11/9/2018	11/12/2018	11/12/2018
Sample ID		VPB173-GW-110918-598-600	VPB173-GW-110918-618-620	VPB173-GW-111218-638-640	VPB173-GW-111218-643-645
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<b>0.33 J</b>	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<b>0.62 J</b>	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<b>1.9 J</b>	<b>1.9 J</b>
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	11/13/2018	11/13/2018	11/14/2018	11/14/2018
Sample ID		VPB173-FD-111318	VPB173-GW-111318- 648-650	VPB173-GW-111418- 668-670	VPB173-GW-111418- 688-690
Sample type code		FD	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<b>0.57 J</b>	<b>1.1</b>
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<b>0.47 J</b>	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<b>3.2 J</b>	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<b>1.5</b>	<b>1.6</b>	<b>1.6</b>	<b>1.5</b>
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<b>0.39 J</b>	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<b>0.47 J</b>	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<b>7.1</b>	<b>7</b>	<b>29</b>	<b>9.8</b>
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	11/15/2018	11/19/2018	11/19/2018	11/27/2018
Sample ID		VPB173-GW-111518-713-715	VPB173-GW-111918-748-750	VPB173-GW-111918-758-760	VPB173-GW-112718-818-820
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<b>0.61 J</b>	<b>0.84 J</b>	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<b>0.55 J</b>	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<b>0.6 J</b>	<b>0.69 J</b>	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<b>0.7 J</b>	<b>0.91 J</b>	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<b>4.4 J</b>	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<b>0.71 J</b>	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<b>0.73 J</b>	<b>1.1</b>	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<b>0.7 J</b>	<b>0.91 J</b>	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>
TRICHLOROETHENE	5	<0.5 U	<b>78</b>	<b>120</b>	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC	VPB173	VPB173	VPB173	VPB173
Sample Date	Groundwater Guidance or Standard Value (Note 1)	11/29/2018	11/29/2018	11/30/2018	12/5/2018
Sample ID		VPB173-GW-112918-838-840	VPB173-GW-112918-858-860	VPB173-GW-113018-878-880	VPB173-GW-120518-938-940
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;1.5 U</b>
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<2 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<1 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<1 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<1 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<5 U
ACETONE	50	<2.5 U	<b>3.7 J</b>	<2.5 U	<b>7.7 J</b>
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<1 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<1 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<1 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<2 U
CARBON DISULFIDE	60	<0.5 U	<b>0.61 J</b>	<0.5 U	<b>0.57 J</b>
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<2 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<1 U
CHLOROMETHANE	5	<1 U	<b>0.4 J</b>	<1 U	<2 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;1 U</b>
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<1 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<2 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<2 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<1.5 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<1 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<1 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<1 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;0.5 U</b>	<b>&lt;1 U</b>
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<2 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<2 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<3 U

**Notes:**

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series  
(6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)  
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

**Bold** = Detected; ***Bold and Italics*** =Not detected exceeds NYS Groundwater Standards or guidance value  
Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

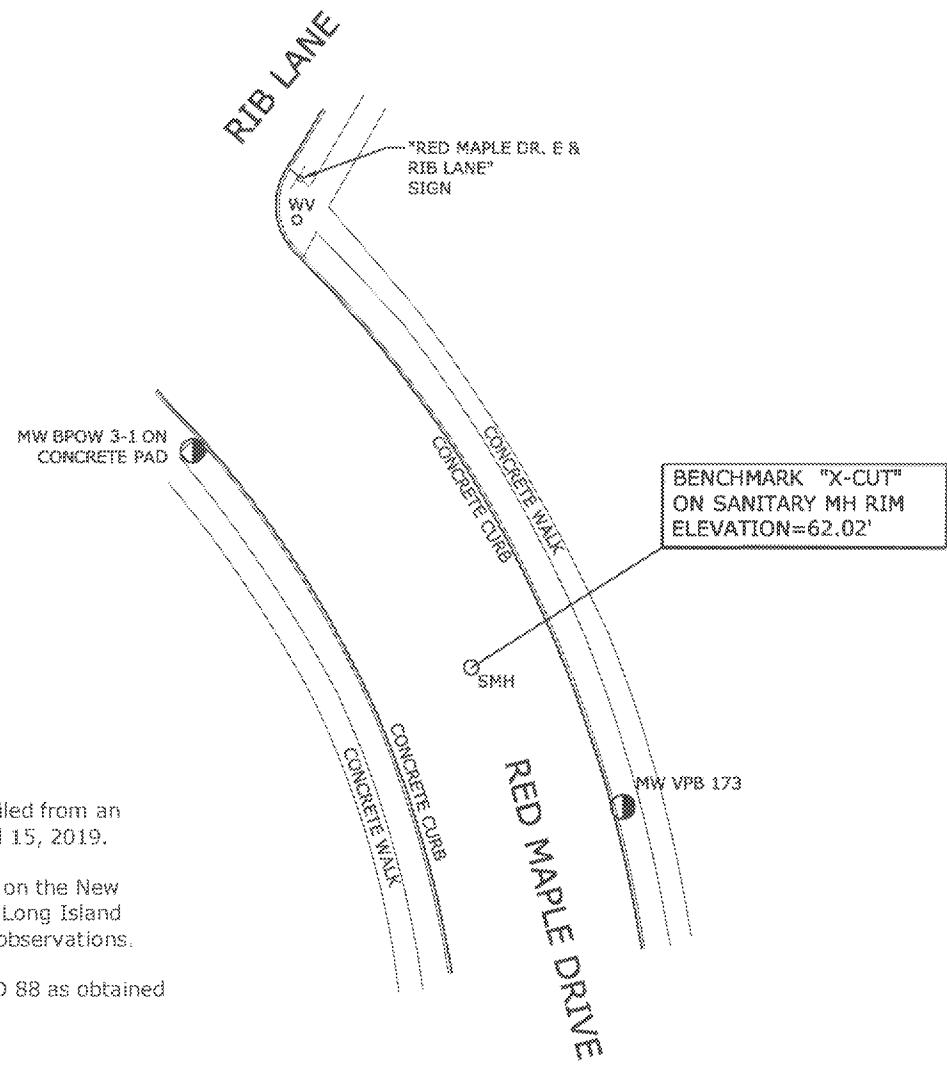
U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.  
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.  
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

**Section 6**

**VPB173 Survey**

UNAUTHORIZED ALTERATION OR ADDITION TO  
THIS DOCUMENT IS A VIOLATION OF SECTION  
7209 SUBDIVISION 2 OF THE NEW YORK STATE  
EDUCATION LAW.

Description	Northing	Easting	Latitude	Longitude	Ground	Top of Casing	Top of PVC
MW VPB173	198577.38	1124872.35	N40-42-38.19	W73-29-33.97	61.19'	61.19	N/A



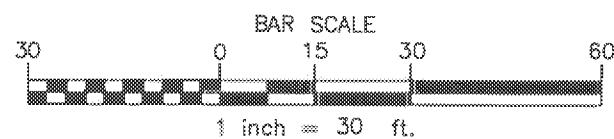
#### Map Notes

1. Information shown hereon was compiled from an actual field survey conducted on April 15, 2019.
2. North orientation is Grid North based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 as obtained from GPS observations.
3. Vertical datum shown hereon is NAVD 88 as obtained from GPS observations.

#### Legend

	MW VPB 173
	MONITOR WELL/VERTICAL PROFILE BORING
	SANITARY MANHOLE

	WATER VALVE
--	-------------



DWG NO. 19-282

Date	RECORDED IN WORK	Appr.	VERTICAL PROFILE BORING 173 SURVEY LOCATION RED MAPLE DRIVE	
			TOWN OF LEVITTOWN	NASSAU COUNTY, NEW YORK
Drafter: MDD	Checker: WJN		<b>C.T. MALE ASSOCIATES</b> Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. 50 CENTURY HILL DRIVE, LATHAM, NY 12110 518.786.7400 * FAX 518.786.7299	
Appr. by: WJN	Proj. No. 14.4121	SCALE: 1"=30'	DATE: APRIL 15, 2019	